# REPORT

ON THE

# ADMINISTRATION

OF THE

# MADRAS PRESIDENCY,

DURING THE YEAR

## 1898-99.

PART I.—SUMMARY OF THE ADMINISTRATION.
PART II.—DEPARTMENTAL CHAPTERS.
PART III.—APPENDIX.—STATISTICAL RETURNS.
PART IV.—SPECIAL APPENDIX.

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# PART I.

## SUMMARY OF THE ADMINISTRATION.

# SUMMARY.

## SECTION I.—GENERAL AND POLITICAL.

Governor and Council.

THE office of Governor of the Presidency was held during the year by His Excellency Sir Arthur Elibank Havelock, G.C.M.G., G.C.I.E. Two seats in the Council fell vacant during the year. To the first the Honourable Mr. Arundel Tagg Arundel was appointed temporarily on June 11th, 1898, in succession to the Honourable Mr. James Grose, C.I.E., who died at Ootacamund on the 7th idem. He took his seat as a permanent Member of Council on the 20th September 1898. To the second the Honourable Mr. Henry Martin Winterbotham was appointed in succession to the Honourable Sir Henry W. Bliss, K.C.I.E., who, on retirement, resigned his seat in Council on 9th November 1898.

Events of interest.

The year was not marked by events of unusual general interest. The annual move of Government to the Nilgiris took place in the middle of April and its return to the Presidency town in the middle of the following October. Through communication by rail with Calcutta, though not completed, was so far established within the year as to enable His Excellency the Governor to adopt the East Coast route on his return from Calcutta.

Tours of His Excellency the Governor.

Four tours were undertaken by His Excellency the Governor during the year. The first was in August 1898 to Trichinopoly and Tanjore, in both of which places public institutions were visited, addresses received and replied to, and levees held. Continuing, His Excellency visited Negapatam and Tranquebar dealing with questions of local interest and finally returned to Ootacamund, halting and receiving addresses at Máyavaram and Kumbakónam. On the 13th October 1898, His Excellency toured through the districts of Anantapur, Kurnool and Kistna inspecting the plague camp at Guntakal on the way. At Kurnool he opened a fountain in the grounds of the Collector's office, built at the cost of Sultan Muhammad Saheb Khan Saheb; at Kurnool also visits were exchanged between His Excellency and the Nawab of Banganapalle. Addresses from local bodies were also received and replied to, and the chief places of interest and importance were visited. Leaving Kurnool on the 20th, halts were made at Nandyal, Cumbum and Bezwada; and Masulipatam was reached by canal on the 23rd. There amid other work, His Excellency laid the foundation stone of a new Boarding House in the Noble College, and returned by the Bezwada-Madras Railway to Madras on the evening of the 26th. In February 1899, the third tour was undertaken from Madras through South Arcot and Pudukkóttai. At Cuddalore, His Excellency laid the foundation stone of a dispensary for women and children, built at a cost of Rs. 10,000 by Rája Sir Savalai Ramasawmy Mudaliar, as a memorial of Her Majesty's Jubilee. He then visited the famous temple at Chidambaram, where addresses were presented and replied to, and reached Trichinopoly on the 11th February and Pudukkóttai on the 12th; at the latter place His Excellency was the guest of His Highness the Rája and was received by him in State on the out-skirts of the town. He subsequently visited the chief places of interest in the town in company with His Highness and laid the foundation stone of the Town

Hall. His Excellency left Pudukkóttai on the 14th and reached Madras on the 15th. His Excellency the Governor having been invited to Calcutta by His Excellency the Viceroy left Madras on the 19th February and, travelling *viâ* Dhond and Manmad, reached Calcutta on the 22nd, where he remained as the guest of the Viceroy till the 25th, and left on the 26th on a short visit to the Hill station of Darjeeling, finally returning to Madras by the newly-constructed portions of the Bengal-Nagpúr, East Coast, and Bezwada-Madras Railway. Madras was reached on the morning of the 6th March.

Travancore State.

In the Travancore State six regulations were passed during the year, viz., two Abkári Regulations, an Epidemic Disease Regulation, a Game Law, an Act to enlarge and define the powers and constitution of the Legislative Council, and a Law to regulate enquiries into the conduct of public officers. The strength of the Police force, excluding the Superintendent and his three assistants, was 1,642, and the total cost Rs. 2,00,858. The total number of cases investigated by the police was 5,390, of which 1,874 were referred as false and eighty-five transferred to the undetected list or to other files. Including arrears, 3,438 cases were charged before the magistracy, of which 2,721 or 82·00 per cent. ended in conviction. The total number of persons arrested was 5,765, of whom 3,714 or 67·60 per cent. were convicted. The value of property lost was Rs. 41,092, and of that recovered Rs. 26,809, or 65·20 per cent. Including arrears and cases received by transfer, the number of original cases for disposal by the magistracy was 19,691 involving 48,239 persons, of which 19,537 involving 47,740 persons were disposed of. The number of appeals to District Magistrates was 756 affecting 1,478 persons, and of these 741 cases affecting 1,426 persons were disposed of. In 58·98 per cent. of the persons concerned in the appeals disposed of, the decisions of the lower courts were confirmed. Inclusive of arrears the Sessions Court had, for disposal, 157 original cases affecting 339 persons, of which 146 cases involving 325 persons were disposed of. The High Court decided seventy-four out of the seventy-five appeals before it, confirming the conviction in the case of 82·00 per cent. of the persons involved. Including the 577 prisoners that remained in custody at the commencement of the year, the total jail population during 1073 was 2,268. The cost of the jails amounted to Rs. 58,350, the average expenditure on account of a convict in the Central Jail being Rs. 106. In all the Civil Courts there were 50,814 original suits for disposal, of which 39,358 were disposed of, leaving 11,456 in arrears. The number of appeals for disposal by the District Courts was 2,292 and that by the High Court 817; of these 1,902 and 670, respectively, were disposed of, the percentage of confirmation being 57·73 and 61·50. The receipts and charges under civil justice were Rs. 5,66,979, and Rs. 2,93,118, respectively, and those on account of criminal justice Rs. 34,303 and Rs. 1,76,029, the net result being a surplus of Rs. 1,32,135. In the Registration department 150,392 documents were registered, their aggregate value being Rs. 2,91,88,853. The receipts and charges of the department were Rs. 2,31,787 and Rs. 99,440, respectively. The Survey and Settlement departments cost Rs. 83,611 and Rs. 1,70,721, respectively, the outturn of the former department being 360·78 square miles. The value of the entire external trade of the country was Rs. 2,36,14,516, of which Rs. 1,44,55,893 represented the value of the exports and Rs. 91,58,623 that of imports. Including debt heads the total revenue of the year amounted to Rs. 89,46,388, of which land revenue and salt contributed Rs. 21,97,115 and Rs. 19,76,789, respectively. Tobacco yielded Rs. 10,02,567, abkári and opium Rs. 6,72,644, customs Rs. 6,27,732, law and justice Rs. 6,01,282, forests Rs. 4,22,344,

and stamps Rs. 3,57,484. The charges aggregated Rs. 95,07,631. The outlay on public works amounted to Rs. 24,04,579. The total number of vaccine operations performed fell from 155,611 to 151,895, and the percentage of successful operations from 85·38 to 85·09. 39,069 births and 39,998 deaths were registered forming 15·30 and 15·70 per mille of the population, respectively. The Medical department was re-organized during the year, and the establishment of a local medical school was resolved upon. The total number of patients treated marked a further increase, viz., from 10,920 in- and 322,279 out- patients to 11,494 and 360,697, respectively, exclusive of 12,536 persons treated by the sanitary officers and 62,050 by the native vydiens receiving aid from the sirkar. The number of educational institutions in the State rose from 3,274 to 3,371 and that of scholars from 160,368 to 165,489. Of the schools 424 with 43,095 pupils were sirkar, 790 with 43,216 pupils private aided, and 2,157 with 70,178 pupils private unaided institutions. Of the total number of pupils 127,056 were boys and 38,433 girls, the total forming 6·40 per cent. of the total population, the proportion to the population of the school-going age calculated at 23½ per cent., being 41·10 per cent. in the case of boys and 13·0 per cent. in that of girls.

Cochin State.

In the Cochin State no regulation was passed during the year. Excluding the Superintendent the actual strength of the Police force at the close of the year was 436, the total cost of maintenance being Rs. 65,689. The total number of cases investigated by the police was 1,915, of which 957 were charged before the magistracy. Of these and the thirty-eight cases under trial at the commencement of the year, 707 or 74·19 per cent. ended in conviction against 76·87 in 1072. The total number of persons charged was 2,106, of whom 1,396 or 66·2 per cent. were convicted against 62·3 in 1072. The alleged value of property lost was Rs. 50,391, of which property of the value of Rs. 39,648 or 78·68 per cent. was recovered against 60·3 in 1072. The total number of original cases for disposal by the magistracy was 4,643 involving 9,688 persons. Of these, 4,615 cases affecting 9,614 persons were dealt with. Of the persons dealt with, 5,417 were brought to trial, 132 being committed or referred to higher courts, 3,509 acquitted or discharged and the remaining 1,908 or 35·22 per cent. convicted. The appeals to the District Magistrates numbered 264, all of which were disposed of, the original convictions being reversed in the case of 24·00 per cent. of the appellants against 40·2 per cent. in the previous year. There were forty-four original cases affecting 127 persons before the Sessions Courts, and all of them were disposed of, the ratio of conviction being 51·18 per cent. of the persons involved. The Appeal Court had twenty-six appeals and these also were all disposed of. At the commencement of the year, the Central Jail had 176 and the Subsidiary Jails fifty-three prisoners. To these 500 and 1,506, respectively, were added during the course of the year, and 457 and 1,486, respectively, were released with one executed, thus leaving 216 and seventy-three at the close of the year. The total cost of these jails was Rs. 16,015 and Rs. 3,372, respectively. The total number of original suits for disposal by the Civil Courts rose from 10,022 to 12,170, of which 11,848 were dealt with against 9,682 in the preceding year. The proportion of litigants to population rose from 1 to 31 to 1 to 25. The appeals before the District Courts amounted to 609 against 746 in the previous year, and of these 580 were disposed of against 704, the lower courts' decisions being confirmed in 52·07 per cent. of the cases appealed against. The Appeal Court had 183 regular and 125 special appeals for disposal, of which forty-six and fourteen, respectively, were left in arrears. In 55·28 per

cent. of the regular and 76·8 per cent. of the special appeals, the decisions of the Zillah Courts were confirmed against 54·3 and 72·4 per cent. in the previous year. His Highness the Rája's Court of Appeal had twenty-six appeals for disposal, of which twenty-one were left in arrears. The receipts and charges on account of civil justice were Rs. 1,29,498, and Rs. 76,303, respectively, as against Rs. 86,058 and Rs. 67,542 in the previous year. Those on account of criminal justice amounted to Rs. 7,212 and Rs. 36,179, the net result being a surplus of Rs. 8,027. In the Registration department 30,067 documents were registered against 29,374 in the previous year, their aggregate value being $109\frac{24}{25}$ lakhs against $100\frac{1}{2}$ lakhs. The receipts and charges of the department were Rs. 43,657 and Rs. 23,668, respectively. The value of the exports from and imports into the sirkar port of Malipuram was Rs. 14,95,656 and Rs. 2,21,184, respectively, against Rs. 12,91,775 and Rs. 12,06,776 in the previous year. The receipts and charges of the year under service heads amounted to Rs. 24,57,860 and Rs. 23,27,796 against Rs. 20,65,310 and Rs. 18,69,882, respectively, in the previous year. Land revenue and salt contributed Rs. 6,90,773 and Rs. 5,10,145, respectively. Abkári and opium yielded Rs. 1,42,186 and Rs. 28,472, interest Rs. 1,35,132, stamps Rs. 1,23,839, law and justice Rs. 1,36,711, and forests Rs. 51,157. Under charges the most important items were public works Rs. 6,23,613, palace Rs. 2,78,357, religious Rs. 1,46,803, and education Rs. 1,10,422. The charges were Rs. 1,30,064 less than the receipts and the closing balance was Rs. 8,56,900. Including, however, the amount invested in Government securities (Rs. 37,62,100), the total balance at credit was Rs. 46,19,000 against Rs. 44,61,278 in the previous year. The births and deaths registered were 5,586 and 8,842, respectively, giving ratios of 7·73 and 12·2 per mille of the total population. The figures evidently are untrustworthy. The number of vaccine operations performed during the year was 23,649, but the percentage of successful operations was 93 against 92. The number of in-patients treated during the year rose from 2,629 to 2,859 and of out-patients from 131,192 to 138,760. The total number of schools in the State rose from 1,020 to 1,042, and that of pupils from 30,550 to 34,316. Of the total number of schools, sixty-eight with 6,465 pupils were sirkar, 112 with 8,165 were private aided, and 862 with 19,686 pupils were private unaided institutions. Of the total number of pupils under instruction, 24,852 were boys and 9,464 girls, forming, respectively, 45·8 per cent. of the male and 17·5 per cent. of the female population of the school-going age calculated at 15 per cent. against 42·2 and 14·1 per cent. in the previous year.

Gódávari Agency.

The season was, on the whole, favourable, and the health of the people generally good. There was a decrease in the death-rate and an increase in the birth-rate. The preliminary survey of the boundary line between the Bhadráchalam taluk of this district and the Sironcha Tahsil of the Central Provinces was completed. There were several complaints against the police and a few convictions. There were 553 criminal cases involving 1,222 persons for disposal against 491 cases with 1,869 persons in the previous year. 538 cases were disposed of, 426 accused being convicted and fourteen committed to the sessions. There were ten appeals, of which nine were disposed of. 374 original civil suits and twelve appeals were instituted during the year against 295 and eleven, respectively, in the previous year. Eight new works under communications and five new works under buildings were constructed, the most important among the former being (1) gravelling

Polavaram-Jeelugumilli road and (2) gravelling the Chódavaram-Giddada road, and extending Gurrapujhari ghât road *viâ* Maredumilli and Valamur; rest-houses were built at Chódavaram and Timmapuram. There was an increase of Rs. 946 in the demand under abkári and a slight decrease (Rs. 108) in the demand under opium revenues. The attendance of patients at the various dispensaries was well maintained, the highest being 6,550 at Polavaram. The number of vaccine operations rose from 5,895 to 6,371, but the percentage of the successful cases fell from 67·005 to 56·55. The average cost of each successful case rose in consequence from As. 9–6 to As. 11–4. There was a marked decrease in the number of both boys and girls among the aboriginal tribes attending school, though the total number of boys and girls of all classes put together was the same as in the previous year. There was, however, an increase in the number of pupils examined for results-grants, in the number found qualified for the results-grants and in the receipts—both under results-grants and fees. Mining for coal was abandoned, while prospecting for graphite was carried on. White and black mica were discovered in two of the villages of the Polavaram Division.

Vizagapatam Agency.

The year was free from serious disturbance. Small-pox prevailed everywhere. Crops suffered somewhat from drought in parts. The Bissemkatak and Payakapad Estates continued under management. The suit brought by the heads of Nowrangapur Estate against the Maharája for the possession of that estate remained undisposed of. The muttas in the Senior and Head Assistant Agents' divisions continued peaceful. No work was done on the settlement of the boundary between Jeypore and the neighbouring States in the Central Provinces. One boundary dispute arose between two villages in the Sowrah hills of the Senior Assistant Agent's division. 1,799 criminal cases and ninety-one appeals were disposed of against 2,007 and seventy-five in the previous year, while 506 civil suits and forty appeals were disposed of against 496 and twenty in 1897–98. Sessions cases on the Agent's file showed a decrease. 39,140 patients were treated and 21,623 cases were successfully vaccinated. The number of schools increased from 176 to 178, and that of pupils on the rolls from 3,600 to 3,626, aboriginals numbering 862 against 481. Of the total allotment of Rs. 56,250 for expenditure on public works, Rs. 1,666 remained unspent. The abkári revenue rose from Rs. 1,17,797 to Rs. 1,31,843, while opium revenue decreased from Rs. 41,764 to Rs. 41,620. Sixty persons were killed by wild beasts. Rs. 4,884 were distributed as rewards for killing 190 wild beasts against Rs. 4,782 and seventy-eight. The forests of the Jeypore and Vizianagram Estates were worked under the Forest Act and the rules framed thereunder.

Ganjám Agency.

The season was, on the whole, favourable, but there was a slight deficiency of rain in some villages of the Bodagada and Chendragiri muttas. The boundary between the ordinary and agency tracts of Goomsur was finally fixed, except for a short distance in the Pondakhole agency. The boundary between the Peddakimedi and Chinnakimedi maliahs was also settled. A land dispute between the Linepada Moliko in Udayagiri taluk and certain Boad villagers resolved itself, on inquiry, into one of a civil nature. The boundary between Serango and Nuagada was finally demarcated during the year. The year was free from disturbances; but it was found necessary, for the preservation of order, to deport from the agency certain discontented Molikos of Rámagiri mutta. The Boad Rája's people also made an incursion at Komonkhole, but trouble was averted by the prompt interference of the authorities. Out of Rs. 23,000 sanctioned on account of civil works, Rs. 22,800

was spent; Rs. 5,440 was devoted to 'new works' and Rs. 16,917 to repairs to buildings and communications. The Mahasingi bridge was completed. Rs. 16,125 was collected out of a total demand under all sources of Rs. 16,348. A sum of Rs. 10 was realized on account of sale-proceeds of unclaimed timber and Rs. 941 was expended on upkeep of the preventive establishment. Rs. 300 was realized from the timber forests. The abkári rentals were Rs. 10,310 against Rs. 8,992 in the previous year. The opium demand was Rs. 2,490 as against Rs. 3,155. 501 lb. 26½ tolas of opium were sold as against 709 lb. 9 tolas for last year. There were 3,220 children under instruction, of whom 1,098 boys and nine girls belonged to aboriginal races. Out of 20,029 cases vaccinated, 18,115 proved successful against 16,373 and 13,372 of the year before. The entire vaccine staff was re-organised. 117 civil suits came up for disposal against 158 of last year. Of these, ninety-six were disposed of. There were five appeals, none of which remained pending. 300 criminal cases affecting 758 persons were dealt with during the year. Of these, 288 cases involving 743 persons were disposed of. Four criminal appeals were instituted in the year against fifteen of the year before.

**Pudukkóttai State.**

His Highness the Rája of Pudukkóttai returned from his tour to England in November 1898. M.R.Ry. R. Vedantacharlu Avergal, Dewan of Pudukkóttai, retired, and was succeeded, in February 1899, by M.R.Ry. Dewan Bahadur S. Venkata Rama Das Nayudu. His Excellency the Governor of Madras visited Pudukkóttai on the 12th February 1899. Three regulations were passed during the year, viz., (1) Sanitary Regulation, (2) Penal Code Amendment Regulation, and (3) Post Office Amendment Regulation. The season was favourable; cholera and small-pox were the prevalent diseases. Of 1,263 cases reported by the police, 91 per cent. were detected and out of 2,416 persons arrested 53 per cent. were convicted. 2,787 cases involving 4,762 persons came before the Magistrates and 2,727 were disposed of. Eighty-six criminal appeals were presented to the Chief Magistrate and six to the Sessions Court and were all disposed of. Of the eighteen criminal appeals filed in the Chief Court two were pending at the end of the year. In addition to the above, the Chief Court disposed of sixty-four out of a total of seventy-six criminal revision petitions. Including the seventy-three prisoners that remained in custody at the commencement of the year, the total jail population during fasli 1308 was 836. Of these 769 were discharged. The health of the prisoners was good. 1,416 regular suits, 534 small cause suits, and 140 appeals, making a total of 2,090 cases including arrears from the preceding year, were before the Chief Court for disposal. Of these 89 per cent. were disposed of. The number of documents registered during the year was 22,417 against 23,549 last year. The decrease of 4·8 per cent. was due to the more favourable character of the season. The total value of transactions was 26½ lakhs. The receipts and charges of the Registration department were Rs. 26,130 and Rs. 18,618 against Rs. 28,160 and Rs. 18,767, respectively, last year. The land revenue demand was Rs. 7,18,249 and the demand under other sources Rs. 3,15,406, making a total current demand of Rs. 10,33,655. The total current receipts from all sources, including Rs. 56,369 from abkári and Rs. 21,157 from forests, amounted to Rs. 13,39,840 against Rs. 10,54,864 last year. The total expenditure was Rs. 11,45,904, of which Rs. 1,12,870 were expended on public works. The Manovírti accounts showed a closing balance of Rs. 1,70,861, of which Rs. 90,000 are invested in Government securities. 27,233 patients against 33,350 were treated in the Pudukkóttai Town Hospital. The number of successful vaccinations was 5,262. The number of elementary schools fell from 254 to 243.

Progress in survey in the year under report was slow, the expenditure under this head being Rs. 28,330. A preliminary settlement was made of twenty-three villages.

Banganapalle State.

The total demand of the State was Rs. 1,72,407 under land revenue, and Rs. 49,547 under other sources, giving a total of Rs. 2,21,954 against Rs. 2,22,602 in the previous year. Rs. 1,52,000 was collected under the former head and Rs. 41,479 under the latter, leaving a balance of Rs. 20,407 and Rs. 8,068, respectively. The Jail and Police Acts were revised during the year. Considerable improvement was effected in the Police department. The force was strengthened and a school was established for the education of the men. The number of cases disposed of was 250 against 235, the average duration being nine days against ten in the previous year. The admissions to the jail were fifty-three against fifty-four in the previous year. The number of suits filed in the Nawab's Civil Courts was 318 against 292 involving property valued at Rs. 30,075 against Rs. 15,910 in the previous year, and that of suits disposed of was 312 against 265. 132 instruments of the aggregate value of Rs. 17,738 were registered during the year against eighty-six instruments in the previous year involving property valued at Rs. 12,002. The rainfall was abundant and seasonable, and the harvests were consequently good. A rain-gauge was established at Banganapalle during the year. The total extent of sirkar and inam lands under cultivation was 73,600 acres against 74,520 acres in the previous year; the principal crops raised being cholum, cotton and korra. The year being one of plenty and having succeeded a season of severe distress, there was a marked fall in prices as compared with the previous year, and the daily wages of labourers rose owing to the increased demand for labour in connection with agricultural operations, &c. A sum of Rs. 26,500 was spent on public works. The public health was good. There was an increase of 17 per cent. in the birth-rate, and a decrease of 45 per cent. in the death-rate. 703 children were vaccinated. 518 cases were successful against 462 in the previous year. 12,907 patients were admitted into the State Hospital against 12,670 in the previous year. The number of Telugu schools increased from eighteen to twenty and the number of pupils from 671 to 780.

Sandur State.

The season in Sandur State was not very favourable, though not nearly so bad as that of 1897–98. Public health was fair on the whole. 156 criminal cases were disposed of against 161 in the previous year. Excluding the opening balance and items under 'debt heads,' the actual receipts of the year amounted to Rs. 50,707 and the charges to Rs. 41,615. The late Rája's debts were further reduced by Rs. 3,838. The patients treated at the dispensary numbered 6,526 against 9,250 in 1897–98. 469 cases were vaccinated, 434 proving successful. The average attendance at the Jubilee Middle School improved. The London Mission Girls' school had forty-six pupils.

Political pensions.

The sums paid to stipendiaries during the year through the office of the Paymaster, Carnatic Stipends, amounted in all to Rs. 2,43,041. The number of stipendiaries was 580 against 578 in the previous year. Twelve stipendiaries commuted their stipends and received bonuses to the amount of Rs. 7,835.

Covenanted Civilians.

The strength of the Covenanted Civil Service was 157 on 1st April 1899—the same number as in the previous year. There were, as in 1897–98, five Statutory Civilians.

## SECTION II.—ADMINISTRATION OF THE LAND.

Government and alienated lands.

The peshkash payable to Government by permanently-settled estates, during the year ending 30th June 1898, amounted to Rs. 49,80,223, or Rs. 122 less than in the preceding year. The shrotriem jódi for the year amounted to Rs. 7,35,765. The total land revenue (current demand), including ryotwár and miscellaneous, amounted to Rs. 5,65,35,514 against Rs. 5,31,19,325 in the preceding year. The increase was due mainly to the favourable character of the season and occurred under the following items : (*a*) in the assessment of holdings 3·49 lakhs ; (*b*) under second-crop charge and water-rate 1·89 lakhs ; (*c*) decrease under occasional remissions 21·59 lakhs ; (*d*) decrease under fixed remissions 0·65 lakhs ; (*e*) increase under miscellaneous revenue 6·73 lakhs. Deducting the decrease on account of larger beriz deductions (·18 lakhs), there results a net increase of 34·17 lakhs. Excluding the areas occupied without the issue of pattas and shown in the accounts under "Miscellaneous" and also the occupied area in the South Canara district for which statistics are not available, the area of Government land in occupation during the year ending with June 1898 amounted to 22·55 million acres or about 82,000 acres more than in the previous year. The increase occurred in all the districts except Cuddapah, Anantapur, Trichinopoly and the Nilgiris, where there were decreases. The largest increases occurred in Kistna, Bellary, Coimbatore, Salem and Malabar, which together contributed about 93 per cent. of the increase under holdings. The increase is attributable mainly to extension of cultivation due to favourable season. An area of over 16,000 acres shown as an increase was, however, due to excess area brought to account on the introduction of new settlement during the year into the Hindupúr and Madakasira taluks of the Anantapur district and 4,000 acres to the transfer of land from the category of inám to ryotwár. The decreases occurred almost wholly under dry holdings and were attributed to the unfavourable character of the season in the areas where they occurred ; in Anantapur the net decrease amounted to 31,800 acres and if the nominal increase caused by survey be excluded, the gross decrease under holdings in this district would be about 48,000 acres. This was due to the want of timely rain and to the crippled resources of the ryots who suffered much in the late distress. The land assessment payable to Government on ryotwár holdings, exclusive of second-crop charges and water-rates, was 436·7 lakhs, *i.e.*, 3·49 lakhs or 0·8 per cent. more than in the previous year. About two-thirds of the increase or 2·27 lakhs occurred in the Gódávari and Kistna districts owing to the retransfer to wet, of land for which water was relinquished in fasli 1305, when the water-rate was enhanced. In Madura there was an increase of Rs. 26,000 mainly owing to the levy of enhanced rates of assessment on lands irrigated from the Periyár. In Anantapur there was an increase due to the introduction of new rates of assessment; but for this, the large relinquishments mentioned above would have caused a decrease of over Rs. 10,500 in the demand. The increase in the other districts represented chiefly the assessment on the increased area taken up for occupation and on the inám lands transferred to ryotwár. Compared with fasli 1285, the year before the great famine of 1876–78, the occupied area in 1897–98 showed an advance of 2·5 million acres or 12·6 per cent. Including the area shown under Miscellaneous, *i.e.*, occupied not included in the pattás, the increase amounted to 3 million acres or 14·9 per cent. But the real increase, after allowing the excess due to the introduction of revised survey areas and to the resumption of inám lands, included under holdings was only

1·88 million acres or 9 per cent. This extension is common to all districts except Kurnool. The total area cropped during the year amounted to 18·49 million acres or 81·99 per cent. of the total holdings against 80·83 per cent. in the preceding year. There were increases in fourteen districts and a decrease in six others. The decrease was particularly marked in Tinnevelly and Nellore and was due to the unfavourable character of the season. The increase was large in the Circars and Deccan districts. Including cultivation shown under Miscellaneous, the total area cropped amounted to 19·32 million acres against 18·90 millions in the previous year. In consequence of the favourable character of season in many districts of the Presidency, the remission of assessment granted during the year on wet and dry lands amounted to only Rs. 10·48 lakhs against Rs. 32·07 lakhs in the preceding year. Other remissions and deductions, granted irrespective of season, declined from 12·64 lakhs to 12·17 lakhs. The demand for water-rate and second-crop charges was 22·10 lakhs or 1·89 lakhs more than in the previous year. Including these items and excluding remissions and deductions, the net demand of ryotwár land revenue amounted to 436·14 lakhs and the total ryotwár demand, including "Miscellaneous" revenue (72·05 lakhs), to 508·19 lakhs or 34·16 lakhs more than in the previous year. Including cesses, the total current demand was Rs. 6,36,21,406, of which Rs. 6,19,89,341 or 97·4 per cent. were collected within the year and Rs. 50 were written off the accounts. The arrear demand of land revenue and cesses at the beginning of the year was Rs. 33,40,622, and the collections and remissions in the year amounted to Rs. 29,49,001, leaving a balance of Rs. 3,91,621. The total demand of land revenue and cesses, both arrears and current, thus amounted to Rs. 6,69,62,028, of which only Rs. 20,23,636 or 3·02 per cent. remained uncollected at the end of the year. The land revenue charges (including the salaries of Revenue Inspectors, but not the pay of village establishments) amounted to Rs. 45,79,826 or 7·1 per cent. of the total collections. As compared with the previous year, when owing to the unfavourable season, the postponement of collections was widespread and resort to coercion was suspended in many tracts, there was an increase of 11·5 per cent. in the number of coercive processes of all kinds issued for the collection of revenue; as usual, the bulk (over 92 per cent.) of these processes consisted of mere notices of demand. There was an increase of 42·4 per cent. in the number of defaulters whose property (moveable and immoveable) was attached; and the number of ryots whose property was sold, and the amount of arrears for which actual sale had to be resorted to also showed increases of about 34 and 17 per cent., respectively. The extent of immoveable property sold during the year rose from 21,467 acres to 25,421 acres or by about 16·7 per cent. Of the processes issued about 97 per cent. were served by the village agency. The total receipts on account of process fees amounted to Rs. 27,032, a sum exceeding the charges by Rs. 9,480. The total demand on account of interest on arrears of land revenue amounted to Rs. 91,494, of which Rs. 28,800 were collected and Rs. 1,306 remitted. The number of applications for transfer of registry presented through Registration officers to the Revenue Department showed an increase of 10·96 per cent. as compared with the number received in the previous year, and there was also a slight increase in the proportion of such applications to the total number received by Revenue officers.

Land Revenue administration.

A scheme for raising the pay of karnams in ryotwár villages was brought into force during the year under report with the approval of the Secretary of State for India. Proposals for the improvement of the position of Tahsildars' and Deputy

Tahsildars' establishments were also submitted for the sanction of the Secretary of State towards the close of the year and the measure has since been given effect to. Though the general authority of the State to control irrigation is recognised by the common law of the country and has been admitted by the decisions of Civil Courts, the exercise of the right in the best interests of the community is liable to be seriously restricted on account of the great number of provisos and limitations to its operation laid down in the decisions of the courts. In view to place beyond dispute the paramount authority of the State to control irrigation to the best advantage for the public good, Government considered that legislation should, if necessary, be undertaken and called on the Board to report on the nature and extent of the legislation required after inviting and considering the opinions of District officers on the subject. These opinions have since the close of the year under report been received and are now under the Board's consideration. Towards the close of the year, the Secretary of State sanctioned the introduction of a Bill to declare by legislation the impartibility and inalienability of ancient estates in the Presidency in view to save the zamindars of such estates from ruinous family litigation; and the Government of India thereupon called for a draft Bill and a schedule of the estates locally considered to be by old custom impartible and inalienable. The question of amending Regulation V of 1804 so as to empower the Court of Wards to deal with encumbered estates and by good management to help to extricate encumbered proprietors, was engaging the attention of Government during the year and the Bill framed for the purpose has since been passed into law. The Board submitted its remarks on the following Bills during the year under report:—(1) A Bill to further amend Madras Act II of 1864 (Revenue Recovery Act); (2) The revised Bill to amend the law relating to landlord and tenant; (3) The proposal to amend the Civil Procedure Code in regard to the attachment and sale of standing crops; (4) A draft Bill to amend Madras Act II of 1894 (Proprietary Estates' Village Service Act); (5) A Bill to amend the Indian Contract Act, 1872; (6) A Bill to amend the Inland Steam Vessels Act VI of 1884; (7) A draft Bill to amend the Malabar Compensation for Tenants' Improvements Act I of 1897.

**Revenue surveys.**

During 1898–99, the work of the department comprised (1) cadastral survey of Government lands excluded from former surveys, and the survey of proprietary estates under section 17 of the Madras Survey and Boundaries Act IV of 1897; (2) cadastral resurvey of Government lands prior to resettlement; (3) maintenance of survey records and boundary marks. Cadastral surveys of hill tracts were in progress in Salem and Coimbatore, as were also similar surveys of proprietary estates under section 17 of the Madras Survey and Boundaries Act IV of 1897, in these and eight other districts. Cadastral resurveys prior to resettlement were carried on in Gódávari, Kistna and Kurnool. The survey of lands within municipal limits in the municipalities of Tirupati, Máyavaram, and Tanjore was finished and maps and fair records for seven other municipalities were completed. During 1898–99, 425 square miles of cadastral survey, 404 square miles of cadastral resurvey and 13 square miles of lands within municipal limits were mapped. The expenditure during 1898–99 was Rs. 3,16,402, of which Rs. 63,655 was for miscellaneous survey work and other items which cannot be expressed in area and Rs. 83,488 for maintenance of survey records and boundary marks.

**Revenue settlement.**

During 1898–99 revised rates of assessment were introduced into the Hindupúr and Madakasíra taluks of the Anantapur district and into thirty-eight unsettled

villages in the Uttankarai and Salem taluks of the Salem district. Classification for purposes of settlement was carried on in the South Canara, Malabar and Gódávari districts and in a few villages of the Salem district; and the measurement of sub-divisions of survey fields was made in the Gódávari, Kistna and Salem districts. Classification of soils and measurement of sub-divisions were also carried out in the whole inám villages of the South Arcot district for purposes of the levy of cesses. Altogether, about 1,164 square miles of land in five districts were classified, and 3,931,853 taxable trees were counted in Malabar and South Canara. The number of sub-divisions measured was 14,722. The total expenditure during the year was Rs. 2,89,695, the total cost of the department up to the close of the year amounting to Rs. 1,22,65,127. The net increase of revenue in the settled districts amounts to 90 lakhs, representing a return of nearly 73 per cent. on the total outlay mentioned above. If the expenditure incurred by the survey department up to the close of the year under report, viz., Rs. 2,34,72,428, is also taken into account, the return would amount to 25 per cent.

Inám Commission.

No ináms were brought under settlement during the year by any establishment especially entertained for the purpose. 340 title-deeds were issued, of which 177 were for jari brahmadayam ináms in South Canara, 114 for personal ináms in South Arcot, Cuddapah, Kistna, Kurnool and Madura, thirty-six for devadayam ináms in South Arcot, Ganjám and Coimbatore, three for dasabandham ináms in Cuddapah, two for dharmadayam ináms in South Arcot, and the rest for sundry cases of village service ináms which escaped settlement in the districts of Ganjám and Kistna. The total area dealt with was 4,398 acres, assessed at Rs. 12,367 and the quit-rent newly charged was Rs. 346. The cost of the establishment amounted to Rs. 4,808. From the commencement of the inám operations, the Commissioner has dealt with 493,484 title-deeds, covering an extent of 7,389,736 acres assessed at about 115 lakhs of rupees. The yearly increase of revenue secured by the enfranchisement of ináms amounts to Rs. 25,35,465, while the total cost of the commission has been Rs. 15,53,507 or 61·3 per cent. of the annual addition to the revenue.

Court of Wards.

Forty-five estates were under the management of the Court of Wards at the beginning of the fasli 1307 (1897–98). Two estates were newly taken up, while five were surrendered during the year. Of the five estates surrendered, three were handed over to their proprietors on their coming of age, one estate, viz., Meduru, was taken possession of during the fasli under report by a receiver appointed by the Civil Court pending the decision of a suit for succession, while the remaining estate of Belgaum was handed over to a cousin of the late proprietor, who had obtained a decree in his favour from the Madras High Court. All the estates were handed over with an augmented surplus, although considerable expenditure had been incurred on the payment of debts, the upkeep of irrigation works and execution of miscellaneous improvements. The proprietrix of the Chidikada estate died during the year under report and the estate has since been handed over to the nearest reversioner of the deceased lady; of the remaining forty-one incapacitated proprietors who remained under the Court's care, one was an imbecile, thirty-eight were minors (three being females) and two were incapacitated by sex alone. The number of wards and their relatives under tuition during the year was forty-nine, of whom forty-six were males and three females. The total area of holdings in estates under the Court at the close of the year was 760,366 acres, of which 692,134 acres, or 91·0 per cent. were cultivated against 90·5 per cent. in the previous year. The

total demand of the estates was 49·64 lakhs (26·24 lakhs current and 23·40 lakhs arrears). Of this, 26·78 lakhs were collected, and ·57 lakh was written off the accounts, leaving a balance of 22·29 lakhs uncollected at the close of the year. The total cash receipts of the year amounted to Rs. 30,62,563. Adding to this Rs. 9,04,154, the cash balance at the beginning of the year, the total available assets (other than Government securities) amounted to Rs. 39,66,717, of which Rs. 24,03,834 were expended, including Rs. 92,632 invested in Government securities. The cash balance at the close of the year was thus Rs. 15,62,883. Adding the value of grain on hand (Rs. 1,04,785) and of Government securities Rs. 27,75,500, the balance to the credit of the estates under management was Rs. 44,43,168. Of the expenditure incurred during the year, 1·09 lakhs were paid in liquidation of debts, 1·32 lakhs were spent on the maintenance and education of wards, 2·47 lakhs on establishment and 2·14 lakhs on public works.

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## SECTION III.—PROTECTION.

Legislation.

Six meetings of the Legislative Council were held during the year. The following Acts were passed: (1) Act III of 1898—an Act to amend the Madras City Police Act, 1888; (2) Act IV of 1898—an Act to repeal Madras Act I of 1880, an Act for regulating the storing, sale and packing for conveyance of gunpowder; (3) Act V of 1898 (the Malabar Wills Act, 1898); and (4) Act I of 1899—an Act to amend Madras Act IV of 1884 (the District Municipalities Act, 1884).

Police.

The year 1898 was not an eventful one in the police administration of the Presidency except for a few disturbances owing to the plague precautionary measures. Among others, the riot at Hindúpur in the Anantapur district may be specially mentioned, in which the Tahsildar was brutally assaulted and stoned to death by a number of the inhabitants who took objection to the erection of plague sheds in a certain part of the taluk. The actual strength of the police force of the Presidency (inclusive of the City of Madras) was 23,086 against 22,815 in the previous year. There was an increase of 134 men in the sanctioned strength of the regular force due to the temporary plague establishments sanctioned for certain districts. The cost of the police was Rs. 43,00,056 against Rs. 43,74,088 in the previous year. The proportion of police to population was 1 to 1,695 against 1,689 in 1897. The proportion of working police to area was 1 to 8·3 square miles. The average cost of a policeman was Rs. 189–1–10, or As. 1–9 per head of the population, compared with Rs. 194–5–5 or As. 1–10 in the previous year. The number of private guards employed by banks, public companies and private individuals was 174 against 159 in 1897. During the year 4,816 policemen were departmentally punished against 4,316 in the past year. Money reward was granted to 913 men during the year against 1,176 in the past year, which includes 222 men in Malabar district to whom a special reward of one month's pay was granted. The number of police officers convicted by Magistrates and Courts showed a slight increase over that of the last year, being 290 against 276. There were 1,995 enlistments. Casualties rose from 1,668 to 1,797; but mortality in the force considerably decreased. The proportion of men able to read and write presented a slight advance, being 86·6 against 86·4 in the previous year. The Vellore Training School for Inspectors was not re-opened during the year. Convicts who escaped from sub-jail numbered twelve against sixteen in 1897, there was a decrease in the escapes of under-trial

prisoners. The number of processes issued during 1898 showed an appreciable decrease in petty as well as in grave cases. Prosecutions for neglect of summonses were instituted in 2,932 instances and convictions obtained in 2,139. Violent deaths considerably decreased from 13,969 to 12,922. There was a large increase in the number of fires which occurred during the year. There were 10,799 fires reported, 70,446 houses burnt, 24½ lakhs' worth of property destroyed with a loss of 176 lives. The number of known depredators, suspects, receivers and members of wandering gangs, who were at large on 31st December 1898, was 26,312 against 26,486 in the preceding year. Known depredators convicted during the year numbered 1,271 against 1,344 in 1897. The proposed finger-print index of known depredators for each district, under which reference for the antecedents of criminals had first to be made to the District Head-quarter office, and that failing, then to the Anthropometrical Central Bureau, has had to be abandoned owing to practical inconveniences in the way of its adoption. The total number of old offenders convicted under section 75, Indian Penal Code, was 2,318 against 2,142 in 1897. Anthropometry continued to give satisfactory results. The Central Bureau received 11,932 cards of convicted prisoners for file. The total number of references for search was 2,667, of which 392 resulted in identification inclusive of two from outside the Presidency. The Bengal system of classification in its main outlines was adopted from November 1897, and the prescribed sub-classification, to avoid accumulation of a number of cards in certain pigeon-holes, is now being made. The usefulness of the system has been extended by Act V of 1899 which made expert evidence admissible in a Court of Law to prove identity of persons by means of finger-impressions. The total crime reported under the Indian Penal Code presented a slight decrease compared with 1897 being 63,169 against 64,667. Of this, the number representing true crime was 46,718 against 46,951 in 1897. Under Special and Local Laws and Nuisances crime increased considerably, this being in part due to particular attention paid to sanitation as a precaution against plague. The results in offences under the Indian Penal Code are not so good as last year, the ratio of convictions being 35·9 per cent. in cases and 30·2 per cent. in persons against 36·0 per cent. and 31·1 per cent., respectively, in 1897. If offences under the Special and Local Laws and Nuisances be included, the figures present an improvement, being 77·2 per cent. in cases and 66·1 per cent. in persons against 76·1 per cent. and 65·6 per cent., respectively. The recovery of property in cognizable cases showed a decrease from last year being 23·3 per cent. against 24·9 per cent. in 1897. There were 473 murders, including nine cases taken up directly by Magistrates against 475 in 1897. The percentage of convictions in police cases rose from 24·3 to 27·5. Under dacoities there was increase over last year, the total number of cases being 409 (of which forty-seven were taken up by the Magistracy) against 362 in 1897. The detection statistics, however, fell from 26·4 to 20·9. There were 600 robberies (488 being reported to the Police direct) against 576 in 1897. The ratio of detection rose slightly from 39·9 to 41·4. The number of house-breakings was 7,877 (including 205 cases taken up by the Magistrates) against 8,563 in 1897. Conviction was secured by the police in 39·8 per cent. of the cases reported to them. Cattle-thefts slightly increased during the year from 2,814 to 2,973 (of which eighty cases were instituted through the courts), 50·9 per cent. of which were successfully prosecuted by the police. The number of ordinary thefts was 13,436 against 13,987 in the past year. Of the cases reported to the police 52·9 per cent. ended in conviction. There was decrease in the number of

cattle-poisoning cases, viz., fifty-six against eighty-six in 1897. More than half the number of cases were detected. The number of offences against Revenue Laws increased from 25,622 to 28,358, the increase being principally under the Salt Laws. There were three cases of infanticide as against two in the previous year, all of them ending in conviction. References by Magistrates were less numerous than in the previous year, being 3,895 against 4,551. The police referred as false 12,918 cases against 12,605 in the previous year. Of this, 90·8 per cent. of cases were struck off as false against 87·0 per cent. in 1897. The total cases prosecuted were 130,725 against 122,200 in 1897. The ratio of the number of cases declared false to that of those prosecuted is 2·6. Of the 1,096 cases tried by the High Court and the Sessions Courts a larger proportion of cases ended in acquittal. Much better work was done during 1898 under the preventive sections of the Criminal Procedure Code. The number of persons dealt with was 557 against 479 in the preceding year, of whom 319 persons were bound over.

Rewards. The rewards disbursed during 1898 amounted to Rs. 5,873 against Rs. 9,910 in 1897 and Rs. 5,069 in 1896. Of these, Rs. 1,522 were awarded by District Magistrates, Rs. 3,360 by the Inspector-General of Police, Rs. 90 by the Inspector-General of Prisons, and Rs. 901 by the Commissioner of Police, Madras.

Factories. The number of factories remained almost stationary. The daily average number of operatives employed fell from 31,197 to 30,098, 2,115 being children. There was no appreciable increase in the number of accidents, but the number which proved fatal rose from two to three.

Sulphur licenses. 268 licenses to deal in sulphur (of which thirty-three were new) were in force in 1898, as compared with 270 in the previous year; they covered 1,303 tons of sulphur against 1,275 in 1897. The total quantities of sulphur purchased and sold during the year fell from 361 and 364 tons, respectively, to 270 and 284 tons.

Arms Act. The number of licenses issued under the Indian Arms Act, 1878, was 72,182 against 72,704 in 1897. Nearly 89 per cent. of the total number issued were in Form VIII, which covers the possession of arms and ammunition and the going armed for the purposes of sport, protection or display, the figure being 64,478 against 66,843 in 1897. The number of prosecutions for offences under the Arms Act and the Rules framed thereunder rose to 910 from 412 in the previous year. The percentage of conviction remained the same (eighty). Thirty-four out of thirty-seven persons prosecuted under the Explosives Act were convicted.

Crime and Criminal Justice. Criminal jurisdiction was exercised in the mufassal by 5,282 village magistrates, ninety-five third-class magistrates, 458 second-class magistrates, 126 first-class magistrates, and twenty Courts of Session and at the Presidency Town by two Presidency Magistrates' Courts, the Commissioner of Police and the High Court. The number of offences returned as true was 318,000, or 16,696 more than in 1897. The percentage of cases returned as true to those reported under the Indian Penal Code was lowest in Coimbatore, Tanjore and South Arcot. 387 cases of murder and seventy-four of attempts at murder were placed before the courts as against 364 and ninety, respectively, in the previous year. No district was free from dacoity. The number of persons brought to trial was 480,125 as against 470,418 in 1897, the number of European British subjects being seventy-three as against eighty-seven. The percentage of convictions under the Indian Penal Code and under Local and Special Laws was 26·2 and 83·9 as against 25·2

and 83·8, respectively, in the preceding year. 323,379 original cases or 18,581 more than in 1897 were received in the Presidency, the Presidency Town contributing 57,860 cases. The number of appeals received in the year was 11,527 or 840 more than in the previous year. 253,183 cases affecting 408,626 persons were disposed of by the regular magistrates in the mufassal as against 244,032 cases affecting 407,411 persons in 1897, the percentage of convictions being 48·9 as against 46·6 in 1897. The average fine per head was Rs. 4·4 as against Rs. 4·3 in 1897. The number of appeals preferred and disposed of in these courts was 9,188 and 9,229 as against 8,405 and 8,310, respectively, in the previous year. Sessions Courts disposed of 1,253 cases as against 1,212 in 1897, the percentage of convictions falling from 45·7 to 40·8. The number of appeals preferred and disposed of in these courts was 1,511 and 1,458, the corresponding figures for the previous year being 1,424 and 1,419. The percentage of confirmation of sentences by Sessions Courts was 75·3 as against 76·8 in 1897. 57,860 cases or 9,159 more than in 1897 were received by the Presidency Magistrates, and 57,875 cases affecting 66,503 persons were disposed of as against 48,709 and 56,705, respectively, in 1897. The percentage of convictions rose from 86·6 to 87·3. Thirty-seven cases were disposed of at the High Court Sessions as against forty-six in the preceding year, and the percentage of convictions fell from 88·0 to 80·0. Twenty-four cases in which Sessions Judges disagreed with the verdicts of juries were referred to the High Court. Eighty-four cases in which capital sentences were passed were submitted for confirmation, and of the 109 persons concerned in eighty-nine cases for disposal seventy-nine persons were convicted, sentence of death being confirmed in the case of sixty-two persons. 713 appeals and 463 revision cases came before the High Court as against 762 and 534, respectively, in 1897. 712 appeals and 442 revision cases were disposed of as against 769 and 549, respectively, in the previous year, the percentage of confirmations on appeal being 85·7 as against 85·3. 2,840 calendars were perused by the High Court during the year, records being called for from the lower courts in thirty-four cases. 151 miscellaneous petitions were disposed of.

Prisons.

The number of central jails remained the same as in the previous year, viz., seven, while the number of district jails was increased from ten to eleven by the re-opening of the Guntúr District Jail. The number of sub-jails (304) remained the same as in the previous year. The Criminal Leper Ward, Madras, and the Civil Debtors' Jail, Madras, remained open throughout the year. The jail population of 1898 was the highest on record. Admissions of all classes of prisoners, including transfers, numbered 94,282 against 90,318 in 1897, and the daily average population rose from 10,328 to 10,936, the total number of convicts received having been 57,619 against 52,428 in the previous year. Of this total number, 35,617 were direct admissions as compared with 32,198 in 1897 and 25,660 in 1896. The number of prisoners disposed of was 94,257 and of these 57,474 were convicts. Of the latter, 1,728 were released under the remission rules and 33,251 otherwise. There were twenty-four escapes against thirty-six in 1897 and the number executed was fifty-eight. Burmese convicts at the close of the year numbered 206, fifty-one having been re-transferred to Rangoon and four having died during the year. The number of under-trial prisoners received was 34,950, and of these 13,586 were discharged, 7,972 were convicted and sentenced, 13,474 were transferred, forty-two escaped, and twenty-five died. The daily average number of prisoners of this class was 1,599·45, the highest on record. Of civil prisoners there were 1,703

admissions, with an aggregate population of 1,928, of whom 244 remained in jail at the close of the year, sixteen being State prisoners. Out of 35,609 convicts received by direct committal (exclusive of criminal lunatics), 911 were Christians, 2,719 Muhammadans, 31,970 Hindus and Sikhs, and nine Buddhists and Jains. 1·5 per cent. of these were juveniles. The percentage of prisoners, whose previous occupation was classed as "Miscellaneous," decreased from 10·98 to 7·68. The proportion of sentences of imprisonment not exceeding one month rose from 54·36 to 57·65, but that of sentences above one month and not exceeding one year fell from 39·43 to 36·66, while that of sentences in excess of one year was nearly the same as in 1897. The number of jail offences rose from 12,979 to 14,985, criminal offences numbering twenty as against twenty-three in the previous year, while whipping was inflicted in eighty-five cases against ninety-three in 1897. In only one jail, that is, in the Coimbatore Central Jail, did the proportion of convict officers employed during the year exceed the 10 per cent. limit. The revised diet scale was in force in all the jails. The total expenditure of the year was Rs. 11,99,730 against Rs. 11,59,298 in 1897, and the total cost per head of maintenance was Rs. 69–15–2 against Rs. 69–2–10 in the previous year. The cash earnings of convicts amounted to Rs. 1,87,659. Deducting the cash earnings the net cost per head was Rs. 52–13–0 as compared with Rs. 65–3–0 in 1897. The death-rate recorded during the year fell from 47·5 per mille to 26·2, and there were only nine deaths from cholera during the year. The Inspector-General of Prisons inspected every central, district and special jail in the Presidency as also the Lunatic Asylums at Calicut, Madras and Waltair and the Reformatory school at Chingleput and visited 14 subsidiary jails. Rs. 56,418 were spent by the department on buildings against Rs. 44,065 in 1897 and Rs. 31,819 in 1896.

Vagrancy.

Twenty-one vagrants were admitted into the Government workhouse during the year and one remained at the close of the previous year. Out of these, four obtained employment, six were released, three were otherwise disposed of and nine remained on the 31st December 1898. The nationalities of the twenty-one vagrants, who were admitted in 1898 were: European British subjects eleven, other classes of British-born subjects ten. The average ages of the vagrants were: from 16 to 40 years eleven, from 40 to 60 years eight, over 60 years two. One was a sailor, nine soldiers, one a clerk, six mechanics or railway employés and four otherwise employed. The total expenditure was Rs. 1,916 as against Rs. 1,558 in the previous year.

Public charities.

The total receipts of the Monegar Choultry, the Native Infirmary, the Foundling Asylum and Rája Sir Saválai Rámasámi Mudaliyar's Lying-in Hospital, amounted to Rs. 22,636, and the expenditure to Rs. 21,570 against Rs. 20,168 and Rs. 21,131 in 1897. There was an increase in the number of paupers fed, the average daily number for the Depot Choultry being 86·12 and for the Native Infirmary 103·29 against 73·14 and 88·93, respectively, in 1897. In the Asylum for Foundlings, the daily average number of children relieved rose from 2·24 to 4. The total number of women admitted for accouchement in Rája Sir Saválai Rámasámi Mudaliyar's Lying-in Hospital during the year was 1,392, or 228 more than in 1897. The receipts during the year on account of the Rája of Venkatagiri's Choultry amounted to Rs. 4,037. The daily average number of in-door paupers relieved in this institution was 45·89 and that of out-door paupers 112·77. The receipts of the Triplicane Langerkhána, including an opening balance of Rs. 73, amounted to Rs. 6,602 and the charges to Rs. 5,261. The number of paupers who

received help from the institution declined from 4,338 to 4,021 ; the average monthly expenditure was Rs. 438 against Rs. 514 in 1897. As in the previous year, there were 17 female Mussalman paupers in receipt of money doles. Civil justice.

The Subordinate Judge's Court of Bellary and Salem worked at Bellary till 4th April 1898 and at Vizagapatam from 6th June to the end of the year. The Subordinate Judge's Court of South Canara worked at Nellore divested of its small cause jurisdiction till 3rd May 1898, and was then retransferred to Mangalore, where it began to work from 4th July 1898, exercising small cause jurisdiction as before over the Mangalore Munsifi, twenty-one maganes in the Karkala Munsifi and two maganes in the Kasaragod Munsifi. The Subordinate Judge's Court of North Malabar was transferred from 1st March 1898 to Trichinopoly where it worked till the end of the year. The temporary Sub-Court at Tinnevelly ceased to work from 1st July 1898. The number of original suits instituted in all the courts in the Presidency increased from 362,512 in 1897 to 373,792 and appeals decreased from 12,171 to 11,177. The number of cases instituted before Village Courts increased from 94,908 to 98,249, the number of such tribunals being 4,774 the highest on record. The number of suits disposed of by them increased from 93,949 to 98,715. The number of suits which came before the regular courts in the mufassal increased from 242,322 to 252,673. 219,253 suits or 86·77 per cent. of the aggregate were contributed by District Munsifs' Courts, 21,567 suits or 8·54 per cent. by Subordinate Judges' Courts and 2,207 suits or 0·87 per cent. by District Courts. The number of appeals preferred in Subordinate Judges' and District Courts decreased from 9,500 to 8,998. The regular mufassal courts disposed of 257,797 suits and 10,528 appeals as against 243,115 suits and 11,451 appeals in 1897. In deciding appeals from decrees mufassal Appellate Courts confirmed the decisions of the lower courts in 61·10 per cent. of the cases, reversed in 16·99 per cent., varied in 15·48 per cent., and remanded in 6·43 per cent., the corresponding percentages for 1897 being 61·88, 15·61, 16·96 and 5·55, respectively. The number of cases in which judgment-debtors were imprisoned in the mufassal was 1,032 as against 1,051 in 1897, and the amount realised in execution increased from Rs. 53,67,830 to Rs. 61,12,103. The number of suits filed and disposed of in the Presidency Court of Small Causes declined from 24,109 and 23,985 in 1897 to 22,286 and 22,034, respectively. The number of suits filed and disposed of in the City Civil Court declined from 381 and 434 in 1897 to 351 and 344, respectively. The number of suits filed and disposed of on the Original Side of the High Court decreased from 327 and 375 to 233 and 291, respectively. 2,179 appeals from decrees were received on the Appellate side of the High Court and 2,650 were disposed of as against 2,671 and 3,041, respectively, in 1897. 57·75 per cent. of appeals from original decrees and 75·81 per cent. of appeals from appellate decrees resulted in confirmation as against 60·27 and 69·30 in 1897. The total receipts and charges of Civil and Criminal Courts amounted to Rs. 64,39,927 and Rs. 49,10,176 as against Rs. 61,74,148 and Rs. 47,14,778, respectively, in 1897. The surplus was Rs. 15,29,751 as against Rs. 14,59,370 in 1897.

The number of documents registered during the year declined from 884,123 to 862,376 or by 2·4 per cent. This decline was due generally to favourable seasons and fall in the price of food-grains and occurred in all the districts except those in the Deccan, Ganjám, Kistna, Nellore, Madura and Tinnevelly. The decrease was under both compulsory and optional registrations, the former having declined from 598,134 to 579,842 or by 3·06 per cent. and the latter from 285,989 to 282,534 Registration.

or by only 1·2 per cent. The total receipts of the department amounted to Rs. 12,82,648 or 15·7 per cent. less than in 1897–98, while the charges increased from Rs. 9,48,017 to Rs. 9,75,290 or by 2·9 per cent. The number of wills presented open was 3,007 or 6·3 per cent. less than in the preceding year; and a majority of them were, as usual, executed by Hindus, 2,840 as against 3,015 in 1897–98. The number of documents registered on payment of penalty under sections 24 and 34 was 136 and 236, respectively, as compared with 175 and 306 in the previous year. The number of applications for searches in the registers and indexes fell from 66,872 to 45,203, in consequence of the grant of State loans under the Loans Acts in the famine-affected districts having been practically stopped. The number of copies granted to parties also declined slightly from 40,579 to 39,283. Registration was refused in the case of 1,854 documents as against 2,030 in the previous year. The number of appeals against refusal orders by Sub-Registrars filed before District Registrars was 415 as against 496 in 1897–98. Of the total number of documents registered 62·9 per cent. were transcribed into the registers on the day of presentation as compared with 53 per cent. in 1897–98. At the close of the year 2,724 registered documents remained with the registering officers unclaimed by the parties as against 3,336 in the previous year. The average fee levied for the registration of each document was Rs. 1–3–6 or only a pie less than in 1897–98. Prosecutions were instituted by the officers of the department in twenty-one cases and by private persons in fifteen cases, and convictions were obtained in fifteen cases of the former and eight of the latter. The number of applications for the transfer of revenue registry presented to registering officers was 56,668 as against 59,164 in the previous year. Including six new offices opened during the year, the number of registration offices was 431; the average assessed or arable area to each office was 177 square miles and the average population 80,000.

**Registration of Joint Stock Companies.**

There were 319 Joint Stock Companies working at the close of the year 1897–98. Of these, twelve had no capital divided into shares, while the rest were working with an aggregate nominal and a paid-up capital of Rs. 5,54,65,197 and Rs. 2,43,91,319, respectively. Forty-five companies having a nominal and a paid-up capital of Rs. 41,84,704 and Rs. 12,63,369, respectively, and two companies having no capital divided into shares, making a total of forty-seven companies, were registered during the year 1898–99 against seventy-three in the preceding year. The decrease in registrations during the year was due to a modified ruling of the High Court, declaring that the registration of Chit Associations is not necessary in all cases. Ten companies increased their nominal capital by Rs. 10,20,425, while no company reduced its capital. Thirty-one companies of the previous years possessing a nominal and a paid-up capital of Rs. 32,31,506 and Rs. 8,34,887, respectively, were wound up during the year. The net result at the close of the year 1898–99 was, that 335 companies were at work in this Presidency. The receipts of the department for the year amounted to Rs. 6,841 against Rs. 10,171 last year. The charges for 1898–99 amounted to Rs. 1,132, leaving a net revenue of Rs. 5,709.

**Volunteering.**

There were eleven volunteer corps under the control of the Madras Government as in the previous year. The number of efficients rose from 5,535 to 5,714. The principal events connected with volunteering were: (1) The concession granted to Government servants who are also volunteers, of being considered to be

on casual leave while attending camps-of-exercise, without prejudice to the casual leave otherwise at their credit, was extended to include also their attendance at rifle-meetings. (2) The Kolar detachment of the Bangalore Rifle Volunteers was divided into two companies. (3) A grant of Rs. 100 to cover the cost of uniform and equipment was sanctioned, on certain conditions, to each officer gazetted to a Volunteer Commission.

Marine.

At Madras there has been an increase in the number, tonnage and dues of "coasting" steamers and a decrease under all heads in the case of all other classes of vessels. At coast ports, in the case of "coasting" steamers there was an increase under all heads; in "other than coasting" an increase in number and tonnage, but a decrease in dues owing to calls within the exemption period; in "foreign" a decrease in number but increase in tonnage and dues, due to vessels of larger capacity having called and to the levy of the maximum rates of dues; and in "native" vessels a decrease in number and tonnage owing to plague restrictions, but an increase in dues owing to the levy of maximum rates. 640 vessels, tons 1,133,900 aggregate, called at Madras, and paid Rs. 1,00,153 in port dues; 22,604 vessels, tons 5,889,224 aggregate, called at the coast ports and paid Rs. 2,42,318 dues. The largest passenger traffic took place at Tuticorin, Negapatam, Pámban, Madras and Cocanada. Tuticorin again headed the list among coast ports in general trade as well as passenger traffic. There were fourteen shipping casualties against sixteen in the previous year and nine lives lost against twenty-nine. The S.S. *Chupra* grounded near Vizagapatam, but was floated off.

Destruction of wild animals.

The total number of wild animals destroyed in 1898 amounted to 914 or 128 less than in the previous calendar year. The rewards disbursed aggregated Rs. 18,957 against Rs. 22,044 in 1897. 143 deaths were caused by wild animals as against 240 in the previous year. The total reported mortality among cattle from wild animals and snakes rose from 11,856 in 1897 to 13,679 in 1898.

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## SECTION IV.—PRODUCTION AND DISTRIBUTION.

Season, rainfall and cultivation.

Owing to the very early cessation of the north-east monsoon rains in 1897, measures for the relief of distress were necessary on a small scale in part of the Nellore district until July 1898. The usual early rains in 1898–99 were fairly abundant in those parts of the Presidency most dependent thereon, but there was considerable delay in the setting in of the south-west monsoon rains in parts of the Deccan districts. Later on, in August, the general aspect of the season became favourable throughout the Presidency and removed all cause for anxiety. It was only in parts of the Deccan districts that the season, on the whole, was not generally favourable for agriculture. The average rainfall for the Presidency in 1898–99 was 50·70 inches against 47·10 registered in 1897–98, and 44·80 inches, the average of twenty-five years ending with 1894–95. Owing to the absence of any cyclones such as at times visit the East Coast in May, the rainfall during April and May was below the average in the Circars and Carnatic districts, but in the districts where these early rains are of chief importance the rainfall in May was above the average. Owing to the delay in the setting in of the south-west monsoon, the rainfall of these months on the West Coast was a little below the average, but later on, in June and July, the fall was heavier than usual and the total rainfall during the

south-west monsoon fully up to the average. In the Circars also, these rains were good and copious, but up to nearly the end of August the rainfall was very scanty in the greater part of the Deccan, Carnatic, Central and Southern districts. The rainfall of September was, however, remarkably heavy, and the total fall during south-west monsoon was normal or in slight excess over the whole area. This copious rainfall, though late, improved the agricultural outlook greatly and was followed by a heavier rainfall than usual over the greater part of the Presidency during the north-east monsoon. In the Circars, the rainfall at this season was almost normal, and elsewhere, except in the Deccan districts, was in considerable excess. During October, the rainfall was good and even heavy except in the Deccan and parts of Central districts, and in November the fall was good or heavy throughout the districts of the East Coast resulting in floods in some parts, but no great damage was caused. The partial failure of these later monsoon rains in parts of Vizagapatam and of the Deccan caused some loss of crop. During the remaining period of the year, the rainfall was rather less than usual throughout. Excluding permanently-settled estates for which figures are not available and whole inám villages for which statistics are not yet submitted, the area of crop sown in Government villages, including minor inám land, amounted in 1898-99 to 26·55 million acres of first and second crop, against 25·98 millions in the previous year; being an increase of more than half a million acres or nearly 2·2 per cent. The total area of dry land brought under cultivation was 18·4 million acres, and that of wet land five millions. In regard to the former description of land, the area cultivated showed a material increase in all parts of the Presidency except the Deccan and Carnatic. In the former tract, there was a decrease in the Anantapur and Cuddapah districts; in the latter, in Chingleput and South Arcot. Of the wet land, it was only in the two Deccan districts already mentioned that the area brought under cultivation showed any marked decrease, though in several districts there were trifling decreases as compared with the previous year. If, however, the areas on which second sowings or plantings were made be included, the total area of dry crop put down shows an increase of nearly 450,000 acres, and that of the crops sown on wet land about 120,000 acres. In the former case the increase was common to all parts of the Presidency except the Deccan; whilst there was a marked deficiency in the area of second crop sown on wet land in the Deccan, Tinnevelly and some also in the Circars. In the latter case, the deficiency appertains almost entirely to the Gódávari district, in which during 1897–98 an exceptionally wide area of second crop was planted of this class of land. In some cases, a decrease in the area of second crop on dry land indicates that a smaller area of the first sowings failed to mature. Taking all sorts of crop together, the most marked expansion in the areas of crop sown appear against Kistna, Salem, Chingleput, North Arcot and Nellore, whilst the only districts showing a decrease are Gódávari, Vizagapatam, Anantapur and Cuddapah. Owing to the comparatively favourable character of the season, generally, the price of all food-grains, which had, in 1897–98, been excessively high fell considerably during the year. The fall, except in the case of varagu, ranged from 14 to 26 per cent.; and the average prices, which in the previous year, ranged from 25 to 100 per cent. above the average rates for the ten years ending 1889-90, were in the year under report from 33 to 50 per cent. only above the same standard. The fall was especially marked in the Circars and Deccan and extended in a smaller degree throughout the rest of the Presidency. This was partly due to the better harvests, and partly to the cessation of the abnormal exports of grain

from the Presidency which had characterised the two previous years. The average rates of wages for the whole Presidency showed little or no change from the previous year. Land Records and Agriculture.

The village registers and firka-books have been completely, or almost completely, prepared and checked up to fasli 1306. In North Arcot the registers and firka-books of 254 villages still remain. These records for fasli 1307 were completed in five, and were approaching completion in the remaining districts. The progress for 1308 was small except in Bellary, Nellore, Coimbatore and Tanjore. Village accounts were, on the whole, satisfactorily maintained. Karnams' Survey schools were held in all districts except Madras: in five districts, however, no schools were held in some of the taluks for special reasons. Out of 634 Revenue Inspectors' posts, 607 were filled by men trained in Survey. The College Farm at Saidapet continued to be maintained for educational purposes. Higher agricultural education was carried on at the College of Agriculture which had 46 students on the rolls. Thirteen pony and three donkey stallions were at work during the year in Salem and Coimbatore. The percentage of foals to mares covered was 23·5 in the former district and 19·7 in the latter. The Veterinary hospital continued to increase in popularity, the number of cases treated having risen from 602 to 724. Only one pony show—that at Tirupur—was held. The Berikai show was abandoned on account of plague.

In the Government Botanical Gardens at Ootacamund the lawns received attention: the work of fencing the boundary was proceeded with. Over 1,000 trees and shrubs were planted and some transplanting was also done. Weeding was carried out in the Stone House and the Church Hill Parks and the Crewe Hall and Ottley Hall Estates. The Sim's Park in Coonoor and the Burliyar experimental garden were fairly well kept up; to the trees in the latter the manure bought last year was applied with good results. Government Horticulture.

The season during the year was favourable for planting. Though the south-west monsoon burst later than usual, there were no heavy falls of rain and the rainfall was well distributed. The receipts aggregated Rs. 91,039 against an expenditure of Rs. 1,94,604. 12,603 lb. of quinine were manufactured: including 3,618 lb., the balance on hand at the beginning of the year, there were 16,221 lb. for disposal, of which 4,629⅞ lb. were sold. Out of 12,898 lb. of febrifuge for disposal, 1,623½ lb. were issued. The sales of quinine powders by postmasters decreased largely; the number of packets issued fell from 8,605 to 4,766. Government Cinchona.

There was a net addition of 1,113 square miles of reserved forests during the year, and this together with the area previously reserved raised the total to 14,888 square miles on 30th June 1899. The area of reserved lands at the close of the year amounted to 4,706 square miles. The number of blocks already notified under section 4 of the Madras Forest Act and awaiting constitution as reserved forests at the commencement of the year was 482 with an aggregate area of 3,816 square miles. 167 blocks covering an area of 493 square miles were notified under section 4 during the year, making a total of 649 blocks comprising 4,309 square miles. Of this total 218 blocks with an extent of 1,161 square miles were disposed of during the year, having been constituted as reserved forests, excluded during settlement or abandoned in consequence of the cancellation of the initial notification under section 4. At the close of the year there was thus a balance on hand of 431 blocks covering an area of 3,148 square miles. 1,575 miles of forest boundaries were demarcated preliminarily, and 1,573 miles permanently at a cost of Rs. 4,900 and Forests.

Rs. 16,390, respectively. Some progress was made in the preparation of working plans during the year. An outlay of Rs. 38,614 was incurred on roads and bridges and Rs. 49,409 on buildings. The total number of forest offences during the year increased from 14,993 to 18,295, but the percentage of acquittals fell from 14·5 to 13·2. A sum of Rs. 365 was paid as rewards to informers and Forest subordinates, while Rs. 204 were disbursed to subordinates of the Abkári department for detection of forest offences in respect of toddy-yielding trees on Government lands. Fire protection was attempted in regard to 5,126 square miles, of which 96·38 per cent. escaped fire. Grazing licenses were issued for 116,302 buffaloes, 1,263,746 bulls, cows, &c., 1,046,221 sheep and 172,543 goats. The grazing revenue rose from Rs. 3,63,905 to Rs. 4,34,043. The extent occupied by plantations and topes controlled by the department amounted to 30,678 acres, while cultural operations were carried on over an area of 9,085 acres. Sales of forest produce collected by departmental agency fell from Rs. 4,78,301 to Rs. 4,49,647; as also sales direct to purchasers from Rs. 16,17,729 to Rs. 15,18,314. The total forest revenue during the year amounted to Rs. 20,75,254 and the expenditure to Rs. 15,92,149, leaving a net surplus of Rs. 4,83,105 against Rs. 5,62,625 in the preceding year.

Trade—
(a) *Sea-borne trade.*

The total value of the sea-borne trade of the Presidency in the official year 1898–99, excluding treasure and transactions on account of Government, amounted to twenty-eight crores and 10$\frac{3}{4}$ lakhs against twenty-eight crores and 89$\frac{1}{2}$ lakhs in the preceding year, thus showing a decline of nearly 78$\frac{3}{4}$ lakhs. Compared with the previous year, the exports and imports show decreases of 14$\frac{1}{2}$ and 64$\frac{1}{4}$ lakhs, respectively.

(b) *External trade.*

The total value of the external trade, *i.e.*, trade with foreign countries, with Indian ports not British, and with British ports in other Presidencies, amounted to twenty-four crores and 45$\frac{1}{2}$ lakhs or 86$\frac{3}{4}$ lakhs less than in 1897–98. Exports contributed fourteen crores and 52$\frac{1}{4}$ lakhs, or 59·39 per cent. of the total value of this trade and imports nine crores and ninety-three lakhs or 40·61 per cent. Compared with 1897–98, the exports decreased by sixteen lakhs or 1·1 per cent., and the imports by 70$\frac{3}{4}$ lakhs or 6·65 per cent. There was an increase under exports in the trade chiefly with Bengal, Japan, Cochin, the Straits Settlements, Germany and Austria-Hungary, and a decrease chiefly with Ceylon and France, resulting in a net decrease of sixteen lakhs. Under imports there was a heavy fall in the trade with the United Kingdom and a considerable increase in that with Bengal. The exports of Indian produce and manufactures declined by 18$\frac{1}{4}$ lakhs or 1·25 per cent., and those of foreign merchandise increased by two lakhs or 18·73 per cent. The more important Indian articles of export, *i.e.*, those the annual value of which exceeded fifty lakhs were hides and skins, coffee, raw cotton, indigo, grain and pulse, spices, cotton piece-goods, oils (exclusive of dregs of gingelly oil), seeds, and coir, yarn and rope, which together contributed 77·99 per cent. of the total exports of Indian produce. There were increases under raw cotton (54$\frac{1}{4}$ lakhs), coffee (21$\frac{1}{4}$ lakhs), spices (16$\frac{3}{4}$ lakhs), oils, exclusive of dregs of gingelly oil (16$\frac{1}{2}$ lakhs), seeds (9$\frac{1}{4}$ lakhs), cotton piece-goods (6$\frac{1}{4}$ lakhs), coir, yarn and rope (4$\frac{1}{4}$ lakhs), and tea (2$\frac{1}{2}$ lakhs); and decreases under grain and pulse (83$\frac{1}{4}$ lakhs), hides and skins (forty-seven lakhs), indigo (13$\frac{1}{4}$ lakhs), cotton twist and yarn (8$\frac{1}{4}$ lakhs), sugar (3$\frac{3}{4}$ lakhs), and timber and wood (2$\frac{1}{4}$ lakhs). Compared with 1897–98, the imports of Indian produce increased by nearly 50$\frac{1}{4}$ lakhs or 15·46 per cent., and those of foreign merchandise decreased by nearly 121 lakhs or 16·37 per cent. The largest items of import were grain and pulse, cotton piece-goods, twist and yarn, and

metals. The value of grain and pulse imported amounted to one crore and 92¾ lakhs (19·41 per cent. of the total imports), cotton piece-goods to one crore and 61¼ lakhs (16·25 per cent.), cotton twist and yarn to one crore and two lakhs (10·28 per cent.), and metals to 51½ lakhs (5·19 per cent.).

(c) *Trade with foreign countries.*

The total value of the trade with foreign countries was sixteen crores and 44½ lakhs or one crore and thirty-six lakhs (7·64 per cent.) less than in 1897–98. The exports declined by 23½ lakhs or 2·05 per cent., and the imports by one crore and 12¾ lakhs or 17·63 per cent. As usual the greater part of the foreign trade, amounting to 869¾ lakhs or 52·89 per cent. of the total value under this head, was with the United Kingdom. Ceylon contributed 194⅓ lakhs or 11·83 per cent., Japan 95¾ lakhs or 5·83 per cent., France ninety-one lakhs or 5·54 per cent., the Straits Settlements seventy-eight lakhs or 4·74 per cent., the United States 64¼ lakhs or 3·90 per cent., Germany forty-five lakhs or 2·74 per cent., Belgium 41½ lakhs or 2·52 per cent., Egypt 32½ lakhs or 1·98 per cent., China 28¼ lakhs or 1·71 per cent., Russia 27¼ lakhs or 1·65 per cent.

(d) *External coasting trade.*

The total value of the external coasting trade amounted to eight crores and three-fourths of a lakh, being 49¼ lakhs or 6·56 per cent. more than in the previous year. Compared with 1897–98 the exports increased by 7¼ lakhs or 2·22 per cent., and the imports by forty-two lakhs or 9·9 per cent. The trade with Bombay, Bengal and Burma contributed 37·83, 31·24, and 24·12 per cent., respectively, of the total amount. The remainder was distributed chiefly between Cochin (2·09 per cent.), Kattywar (1·33 per cent.), and Goa (1·19 per cent.).

(e) *Imports and exports of private treasure.*

The total imports and exports of private treasure in the past year, excluding the movements between the British ports within the Presidency, amounted to 45¼ lakhs, being 2½ lakhs or 5·19 per cent. less than in the previous year. Compared with the figures of 1897–98, the imports of gold decreased by 2¾ lakhs. The exports of gold in 1898–99 were only to the value of Rs. 10,250, while there were no exports in the previous two years. The imports of silver declined by nearly 17¾ lakhs, while the exports advanced by over 17¾ lakhs. The net imports of gold were 5½ lakhs, while the exports of silver exceeded the imports by 10½ lakhs.

Public Works—Buildings and Roads.

The total expenditure during the year was Rs. 29,78,124 against Rs. 22,47,729 in the previous year. It was distributed over the various financial heads as follows:—Imperial Military Works, Rs. 69,926; Imperial Civil Works, Rs. 75,262; Provincial Civil Works, Rs. 25,34,628; Incorporated Local Funds, Rs. 37,750; Excluded Local Funds, Rs. 2,49,108; Estate Works, Rs. 11,450. Under Imperial Military Works the chief items of work in progress were the re-modelling of the married quarters at West Hill, Calicut, and the construction of an armoury, magazine, office-room, and Sergeant Instructor's quarters for the South Indian Railway Volunteer Corps at Pákala. Under Imperial Civil Works there were in progress a post and telegraph office at Kodaikánal and a fourth-class post office at Perambalur. The observatory building at Kodaikánal with quarters for the Astronomer and his establishment were completed. Under Provincial Civil Buildings a new Sea Customs office at Vizagapatam was in progress: a customs godown at Negapatam, a public warehouse and a customs shed at Madras, were completed. An office for the Divisional officer at Ramnad was completed as were also taluk offices at Palkonda, Narsapatam, Guntúr, Vinukonda, Bápatla, and Tiruvannámalai, and Deputy Tahsildars' offices at Kottapeta and Avanigedda. Offices for Stationary Sub-Magistrates were completed at Arundelpet, Nandyal, Puttúr, Kundapur,

Kulitalai, Perambalúr, Sankaranayinárkóyil and Sáttúr. Five Taluk offices at Gudivada, Madakasira, Pattikonda, Nandikotkur and Kasaragod, and three Stationary Sub-Magistrates' offices (at Tanuku, Rajahmundry and Dindigul) were in progress, as were also the new public offices at Tanjore and the Deputy Collector's office at Ellore. Certain minor additions to the Government Houses at Guindy and Madras and some improvements to the Secretariat buildings at Ootacamund were carried out. At Madura residences for the Judge, the District Superintendent of Police, and the Executive Engineer were in progress. The Mahasinghi bridge and the Kallikóta-Boirani road were completed and the Ootacamund-Kallar and the Chundale-Mysore Frontier roads were maintained. Progress was made with the water-works at Vizagapatam, Cocanada and Tirupati. The Ootacamund drainage scheme was almost completed. There were no important works under the Court of Wards. Light-houses at Havelock Point, Manapaud, Masulipatam, Mangalore, Mulki, and Seven Pagodas were under construction. Work to the total value of Rs. 4,14,597 was done at the Public Works Workshops at Madras, Dowlaishweram and Bezwada, as against Rs. 4,80,004 in the previous year.

Public Works—Irrigation.

The total expenditure in the Irrigation Branch of the Public Works Department during 1898–99 was Rs. 49,05,818, or Rs. 7,92,475 less than in 1897–98. The outlay during the year under open capital account of the Gódávari delta system was Rs. 87,440 and was incurred chiefly on fitting falling shutters on the crest of the Gódávari anicut, a work commenced during the preceding year. The estimate submitted in January 1898 amounting to Rs. 1,05,500 for direct charges for excavating a short cut on Yenamadurru drain to Naidupalem Yeru in the Gódávari western division was sanctioned by the Government of India in April 1898. The area irrigated under the system during fasli 1308 (1898–99) was for first crop 656,062, and second crop 120,431 acres against 635,954 and 163,481 acres, respectively, in the previous year. The revenue amounted to Rs. 31,78,792 and the charges to Rs. 7,71,596, leaving a net revenue of Rs. 24,07,196, or 18·42 per cent. on the total capital outlay of Rs. 1,30,65,513. The length of navigable canals open for traffic was 493 miles. The construction estimate of the Kistna delta system having been closed on the 31st March 1898, an expenditure of Rs. 2,04,960 was incurred during the year on open capital account chiefly in fitting falling shutters on the crest of the Kistna anicut, excavating the Tungabhadra side channel, and extending the bridge at 7 miles and 15 chains of the Nallamada drain. The total area irrigated was 566,277 acres against 520,373 acres in the previous year. The revenue amounted to Rs. 27,01,332 and the charges to Rs. 6,87,144, leaving a net revenue of Rs. 20,14,188, or 15·03 per cent. on the total capital outlay. The length of navigable canals open for traffic was 307 miles. The area irrigated under the Penner anicut system was 72,192 acres against 70,464 in the preceding year. The revenue amounted to Rs. 1,73,268 and the charges to Rs. 16,873, leaving a net revenue of Rs. 1,56,395, or 8·23 per cent. on the total capital outlay of Rs. 18,99,192. In July 1898, a revised report on the closure of the construction estimate of the Sangam anicut system was submitted to the Government of India. The outlay on open capital account of the system during the year was Rs. 22,606. The area irrigated was 78,261 acres against 76,277 in the previous year. The revenue amounted to Rs. 1,98,711 and the charges to Rs. 42,335, leaving a net revenue of Rs. 1,56,376, or 4·03 per cent. on the total capital outlay of Rs. 38,78,614. The cost of the purchase of the Kurnool-Cuddapah canal remains as at the end of the previous year at Rs. 2,16,38,942. The area irrigated was 48,810 acres against

47,164 in the previous year. The revenue amounted to Rs. 1,54,869 and the charges to Rs. 1,10,478, showing a net revenue of Rs. 44,391, or Rs. 12,213 more than in the previous year. The area irrigated under the Barur tank system during the year was 4,901 acres against 4,421 in 1897–98. The revenue amounted to Rs. 10,105 and the working expenses to Rs. 2,595, showing a net revenue of Rs. 7,510, or 1·77 per cent. on the total capital outlay of Rs. 4,25,045. An outlay of Rs. 1,17,760 under open capital account of the Cauvery delta system was incurred during the year chiefly on fitting lift shutters to the grand anicut and on the improvements to the upper Coleroon anicut. The estimates submitted in July 1898 amounting to Rs. 51,800 for direct charges for constructing regulators across the Puthaur-Velappaur, Puthaur-Solasoodamanyar and at the head of the Keerthimanaur were sanctioned in August 1898 by the Government of India. In January 1899, estimates amounting to one lakh of rupees for the conversion of the Cauvery-Kodamurti open dam into a regulator with shutters were approved by Government and submitted to His Excellency the Governor of the French Settlements in India for approval prior to their submission to the Government of India for sanction. The area irrigated under the system was 884,869 acres for first crop and 109,249 acres for second crop against 886,920 and 102,888, respectively, in 1897–98. The net revenue derived was Rs. 8,77,801, or 41·56 per cent. on the total capital outlay of Rs. 21,12,338. In May 1898, an estimate of Rs. 11,100, including establishment and tools and plant, was sanctioned by Government for providing screw gearing shutters to the scouring sluices of the Srívaikuntam anicut. The outlay on open capital account of the system during the year was Rs. 5,503. The area irrigated was 22,052 acres for first crop and 20,688 acres for second crop against 21,580 and 20,088 acres, respectively, in the preceding year. The revenue was Rs. 1,12,502 and the charges were Rs. 30,596, showing a net revenue of Rs. 81,906, or 5·54 per cent. on the total capital outlay of Rs. 14,77,427. Owing to unavoidable delay in the Revenue Department in the submission of correct accounts of the revenue derived and of a revised forecast statement of the revenue anticipated from the Periyár project, the report on the completion of the project, the construction estimate of which was closed on the 31st March 1897, was not submitted to the Government of India during the year. The outlay on open capital account of the project was Rs. 1,52,467 during, and Rs. 3,28,461 to the end of, the year. The area irrigated was 79,377 acres for first crop, and 29,648 for second crop against 72,365 and 22,040, respectively, in the previous year. The revenue derived amounted to Rs. 2,77,283 and the working expenses to Rs. 1,35,163. Up to the end of the year 36 miles of main canals and 130 miles of branch channels and distributaries were completed. In July 1898, estimates amounting, respectively, to Rs. 56,500 and Rs. 7,100 for direct charges for lowering the bed of the Periyár escape channel and constructing a weir 150 feet on the lake side of the present weir, and for lowering the parapet of the Periyár main dam and providing rails were forwarded for the consideration and orders of the Government of India. In November 1898, the Government of India communicated the Secretary of State's sanction to the third revised estimate, amounting to Rs. 4,26,200, for the Surada reservoir dam, Rushikulya project, and for increasing the sanctioned estimate for direct and indirect charges of the project from Rs. 47,56,000 to Rs. 49,45,820. The Surada reservoir was practically completed during the year. The expenditure on capital account of the project to the end of the year was Rs. 46,99,228, of which Rs. 54,805 were spent during the year. The area irrigated

was 82,965 acres against 67,318 in the previous year. The revenue derived was Rs. 87,820 and the charges amounted to Rs. 44,066, leaving a net revenue of Rs. 43,754, or ·93 per cent. on the total capital outlay. An outlay of Rs. 39,430 was incurred during the year on capital account of the Ganjám minor rivers system. The area irrigated was 55,812 for first and 4,995 acres for second crop. The revenue derived amounted to Rs. 33,180 and the charges to Rs. 25,890. In July 1898, a revised estimate, amounting to Rs. 6,32,000, including indirect charges, was sanctioned by Government for the Munéru project in lieu of the estimate of Rs. 3,90,000 sanctioned in December 1893. The capital outlay on the project was Rs. 59,968 during the year, and Rs. 5,20,940 to the end of the year. The area irrigated was 2,923 acres; the revenue derived amounted to Rs. 8,437 and the charges to Rs. 5,527. The expenditure incurred on capital account of the Dondapad tank project during the year was Rs. 306 and to the end of the year Rs. 1,49,227. This project was fully completed during the year. The area irrigated was 109 acres. The revenue and working expenses amounted to Rs. 454 and Rs. 226, respectively. An outlay of Rs. 8,731 on capital account was incurred during the year on the Sagileru "Upper" project which was practically completed by the end of the year. The area irrigated was 4,342 for first and 2,623 acres for second crop, the revenue derived was Rs. 7,282 and the charges amounted to Rs. 2,325. The Chopaud project was undertaken as a famine-relief work in April 1897 and was stopped in October 1897 when it was decided that it should be proceeded with as an ordinary work. An expenditure of Rs. 1,567 was incurred during the year on preliminary expenses for the preparation of a revised estimate for the project which was in hand. A small outlay of Rs. 242 on capital account was incurred on the Cumbum tank system during the year. The areas irrigated for first and second crops were 5,639 and 5,087 acres, respectively; the revenue amounted to Rs. 12,650 and the charges to Rs. 1,446. An outlay of Rs. 189 was incurred during the year on capital account of the Thadapalli channel system. The area irrigated was 14,984 acres for first and second crops; the net revenue was Rs. 20,030, or 15·94 per cent. on the total capital outlay. The area irrigated under the Arkenkota channel system was 4,195 acres; the net revenue was Rs. 3,898, or 3·79 per cent. on the total capital outlay. In April 1898 an estimate of Rs. 5,660 was sanctioned by Government for revetting the badly-eroded portions of the Kalingaroyen channel for the prevention of breaches. In September 1898, an estimate of Rs. 17,900 for re-sluicing the channel from the 1st to the 15th mile was sanctioned by Government. An expenditure of Rs. 16,305 was incurred on capital account of this system in re-sluicing the channel. The areas irrigated for first and second crops were 11,372 and 10,129 acres, respectively. The net revenue derived was Rs. 10,175, or 12·72 per cent. on the total capital outlay. In May 1898 the sanction of Her Majesty's Secretary of State for India to the total expenditure of Rs. 20,78,288 on the completion of the Pálár anicut system was communicated by the Government of India. The outlay under open capital account of this system during the year was Rs. 6,146. The areas irrigated for first and second crops were 76,813 and 29,919 acres, respectively. The revenue amounted to Rs. 1,68,511 and the charges to Rs. 45,462, leaving a net revenue of Rs. 1,23,049, or 5·92 per cent. on the total capital outlay. The areas irrigated under the Poiney anicut system were 23,214 acres for first crop and 6,933 acres for second crop; the net revenue was Rs. 46,204 or 19·95 per cent. on the total capital outlay. The areas irrigated under the Cheyar anicut system for

first and second crops were 22,282 and 15,159 acres, respectively. The revenue derived was Rs. 51,496 and the charges to Rs. 20,665, leaving a net revenue of Rs. 30,831, or 7·60 per cent. on the total capital outlay. A small expenditure of Rs. 173 on capital account of the Chembrambakam tank system was incurred during the year. The areas irrigated for first and second crops were 12,952 and 2,780 acres, respectively; the net revenue was Rs. 31,086, or 4·16 per cent. on the total capital outlay. The areas irrigated under first and second crops of the Madras water-supply and Irrigation Extension were 7,450 and 2,371 acres, respectively. The revenue was Rs. 28,721 and the charges amounted to Rs. 7,600, showing a profit of Rs. 21,121, or 1·20 per cent. on the total capital outlay. The quantity of water supplied to the Madras Municipality during the year was 18,398,574 cubic yards. Rs. 972 were spent during the year on capital account of the Valluru anicut system. The total area irrigated was 5,418 acres, the net revenue derived therefrom being Rs. 3,533. The areas irrigated under the Tirukkóyilúr anicut system for first and second crops were 22,879 and 2,887 acres, respectively. The net revenue was Rs. 15,826 or 6·22 per cent. on the total capital outlay. The total area irrigated under the Mahmattur anicut system was 3,922 acres, and the net revenue Rs. 2,489. The total area irrigated under the Vriddhachalam anicut system was 7,294 acres, and the net revenue Rs. 12,665, or 25·46 per cent. on the total capital outlay. An expenditure of Rs. 59,654 on capital account of the Shatiatope anicut system was incurred during the year on improvements to the anicut for which a revised estimate of Rs. 88,400 for direct charges was sanctioned by Government in September 1898. The areas irrigated under the system for first and second crops were 28,176 and 5,775 acres, respectively. The net revenue was Rs. 93,112 or 40·73 per cent. on the total capital outlay. The outlay on capital account of the Pelandorai anicut system during the year was Rs. 33,619. The work of lowering the anicut and fitting it with six feet girder shutters counterweighted and with suitable gearing, for which a revised estimate of Rs. 1,26,000 for direct charges was sanctioned by Government in January 1899, was almost completed during the year. The area irrigated under the system was 9,908 acres, and the net revenue Rs. 19,224 or 3·28 per cent. on the total capital outlay. The capital outlay, during the year on the Lower Coleroon anicut system was Rs. 1,31,143, and was incurred chiefly on the Chidambaram drainage scheme and protective work in front of the anicut. In July 1898, an estimate amounting to Rs. 3,87,000 for direct charges for improvements to the anicut was sanctioned by Government. The areas irrigated under the system for first and second crops were 107,333 and 5,540 acres, respectively. The revenue derived was Rs. 2,94,999, and the working expenses Rs. 38,967, leaving a net revenue of Rs. 2,56,032, or 27·26 per cent. on the total capital outlay. The areas irrigated under the Nandyar channel for first and second crops were 4,857 and 2,341 acres, respectively: the revenue derived was Rs. 2,981 and the charges amounted to Rs. 3,756. The areas irrigated under the Marudur anicut system under first and second crops were 17,536 and 17,568 acres, respectively. The net revenue derived was Rs. 51,220, or 114·32 per cent. on the total capital outlay. Rs. 623 were spent on the maintenance of the Chilka lake canal. The construction estimate of the Buckingham canal having been closed on the 31st March 1897 the schedule of works amounting to Rs. 32,100 for direct charges required to be carried out to complete the canal was sanctioned by the Government of India in August 1898. In May 1898 an estimate, amounting to Rs. 11,450 for

constructing four pairs of lock gates in the north and south sections of the canal was sanctioned by Government and in June 1898 an estimate, amounting to Rs. 12,530, for constructing an outlet sluice of 20 vents at the 89th mile was sanctioned by Government. The outlay on open capital account of the canal during the year was Rs. 17,151. The receipts amounted to Rs. 1,04,317, or Rs. 8,736 below the working expenses against a net revenue of Rs. 15,841 realised in the preceding year. The revenue derived from the Vedaranniyam canal amounted to Rs. 1,217, and the cost of its up-keep to Rs. 4,343. The area over which tank restoration operations extended at the beginning of the year was 40,931 square miles, of which 36,014 square miles had been completely investigated. These figures were, during the year, increased by 3,110 and 2,381 square miles bringing the totals up to 44,041 square miles of area entered upon, and 38,395 square miles investigated. Omitting areas of deltas, and areas which do not fall within the scope of the tank restoration scheme investigation, the total area in the Presidency requiring investigation is 84,467 square miles; there thus remain 46,072 square miles of country to be investigated. Rs. 2,65,883 were spent during the year on the execution of tank restoration scheme works. The total amount of estimates sanctioned for such works up to the end of the year was Rs. 56,28,933, the total expenditure thereon being Rs. 47,03,109. The outlay during the year on ordinary minor works for which neither capital nor revenue accounts are kept in the Public Works Department was Rs. 6,16,847, of which Rs. 4,00,392 were spent on repairs and Rs. 1,14,253 on original works estimated to cost more than Rs. 2,500 each and Rs. 1,02,197 on smaller works. The expenditure incurred in the Public Works Department on "Minor Works," Revenue Department, was Rs. 38,246. The total outlay on agricultural works was Rs. 4,64,833, of which Rs. 1,24,655 were spent on original works estimated to cost more than Rs. 2,500 each, Rs. 14,747 on smaller works, and the balance on repairs. An outlay of Rs. 8,104 was also incurred from Irrigation Cess Funds in the Salem, Coimbatore and Trichinopoly districts.

Public Works —Railways.

The length of railways open for traffic in the Madras Presidency at the end of 1898–99 was 3,243·69 miles as against 3,012·34 miles at the end of 1897–98. The additional 231·35 miles comprises the remaining portion of the East Coast Railway, of which the section from Gudur to Nellore (23·71 miles) was transferred from the South Indian Railway to the East Coast Railway on the 1st November 1898. The Nilgiri Railway 16·90 miles (metre gauge), the Negapatam-Nagur, 4·67 miles (metre gauge), the Calicut-Cannanore Railway, 59·75 miles (standard gauge), and the Arcot-Ránipéttai Railway, 4·00 miles (standard gauge), were under construction at the close of the year. The Shoranur-Cochin, Erode-Nanjangodi, Muttupet-Avadayarkóil, Pámban and Travancore branches were under survey during the year. The total capital expenditure on the Madras Railway for the calendar year which ended the 31st December 1898 was Rs. 12,18,98,618 or Rs. 1,45,252 per mile, and the net profits for the year amounted to Rs. 55,01,905 or 4·51 per cent. on the capital outlay. The gross earnings showed a decrease of Rs. 7,44,831 and the working expenses of Rs. 2,44,548. The number of passengers carried was over $8\frac{1}{4}$ millions, and the goods tonnage lifted was 780,917 tons. On the Kolar Gold Fields Railway, the total capital outlay up to 31st December 1893 was Rs. 8,09,537 or Rs. 80,953 per mile, and the net earnings, after payment to the Madras Railway of the cost of working, amounted to Rs. 82,133 or 10·15 per annum on the capital outlay. The gross earnings showed a decrease of Rs. 4,852, and the

working expenses an increase of Rs. 3,293. The number of passengers carried was over half a million, and the goods tonnage lifted was 58,616 tons. On the Madras-Ennur section of the East Coast Railway the total capital outlay up to 31st December 1898 was Rs. 5,99,150 or Rs. 70,905 per mile, and the net earnings, after payment to the Madras Railway of the cost of working, amounted to Rs. 18,477 or 3·08 per cent. per annum on the capital expenditure. The gross earnings were decreased by Rs. 19,808 and the working expenses by Rs. 14,778. The number of passengers carried was over half a million and the goods tonnage lifted was 14,036 tons. On the South Indian Railway the capital expenditure incurred up to 31st December 1898 was Rs. 7,45,26,344 or Rs. 73,217 per mile, and the net earnings for the year amounted to Rs. 38,52,349 or 5·17 per cent. on the capital outlay. The gross earnings of the year were less than those of the previous year by Rs. 7,13,828 and the working expenses by Rs. 2,51,457. The number of passengers carried was above $11\frac{1}{2}$ millions and the goods tonnage lifted was 788,058 tons. On the Máyavaram-Muttupet Railway the total capital outlay up to 31st December 1898 was Rs. 24,94,905 or Rs. 46,210 per mile, and the net earnings of the year after payment of working expenses to the South Indian Railway were Rs. 77,627 or 3·11 per cent. on the capital outlay. The gross earnings and working expenses showed a decrease of Rs. 19,883, and an increase of Rs. 13,986, respectively. The number of passengers carried was over a million and the goods tonnage lifted was 53,447 tons. On the Peralam-Karaikkal Railway the total capital outlay up to 31st December 1898 was Rs. 7,21,665 or Rs. 49,942 per mile, and the net earnings of the year after payment to the South Indian Railway were Rs. 7,855 or 1·09 per cent. on the capital outlay. The number of passengers carried was over 100,000, and the goods tonnage lifted was 3,048 tons.

Imperial Post.

There were, at the close of the year under report, 2,097 post offices, 2,097 letter-boxes, 1,399 postmen and 1,073 village postmen as compared with 2,057 post offices, 2,726 letter-boxes, 1,303 postmen and 1,029 village postmen in 1897–98. The total mileage of Imperial lines decreased from 18,077 to 18,070 miles. The total number of articles given out for delivery rose by 1·35 per cent., from 82,614,740 to 83,734,508. The total number of articles returned undelivered was 2,134,782 against 2,084,472 in the previous year. There was an increase under all heads except paid and unpaid letters, newspapers, value-payable registered book packets, and value-payable registered parcels. There was an increase in money orders and value-payable articles, and a marked rise in the number and value of insured articles posted. The accounts of 116,868 depositors in the Savings' Bank remained open at the close of the year with deposits aggregating Rs. 64,58,656 against 114,179 depositors with Rs. 65,12,427 in the previous year. There were 3,574 complaints against the post office, out of which 39·56 per cent. were well grounded and 37·86 were groundless. Twenty-nine postal officials were punished judicially and forty-nine departmentally; in nineteen cases the offenders absconded. Seven mail robberies took place. Combined post and telegraph offices numbered 295 against 282 in 1897–98. The net revenue fell from Rs. 2,93,339 to Rs. 2,74,245.

District Post.

The total mileage of the District Post lines at the close of 1898–99 was $1,776\frac{1}{2}$ miles as against $1,709\frac{1}{2}$ in the previous year. The service comprised one sub-office, 138 branch offices, 731 letter-boxes, five postmen, 702 village postmen, and 316 runners. The number of articles posted for despatch decreased from 1,683,434 to 1,392,734, and that of articles received for delivery and returned undelivered from

3,031,453 and 177,269 to 2,549,440 and 169,490, respectively. The total expenditure fell from Rs. 1,07,527 to Rs. 1,03,869, and the receipts from Rs. 63,564 to Rs. 62,931, giving a deficit of Rs. 40,938 against Rs. 43,963 last year.

**Imperial Telegraphs.**

The total mileage of telegraph lines rose from 7,715 to 7,880. Sixty-four offices were opened and eighteen closed during the year, giving a total of 565 open at the end of the year against 519 in 1897–98. 316 offices were directly under Government management. 1,078,609 messages were despatched against 1,083,098 in the preceding year. The Indian share of the collections was Rs. 14,52,504.

## SECTION V.—REVENUE AND FINANCE.

**Gross revenue and charges.**

The gross revenue and expenditure under Imperial, Provincial and Local Funds services taken together amounted to 1,577¾ and 902½ lakhs, respectively, against 1,561¾ and 1,006½ lakhs in 1897–98. The surplus of the year 1898–99 thus amounted to 675 lakhs against 555¼ lakhs in the previous year. The net amount remitted to other Provinces inclusive of payments on account of the Secretary of State's drawings on this Presidency amounted to 745 lakhs against 281¾ lakhs in 1897–98. The interest paid on Government securities was the same as in the previous year, viz., 33¼ lakhs.

**Circulation of small silver and copper.**

The value of small silver which passed into local circulation in the year under report decreased by 383 thousands and the balance left in the treasuries at the close of the year rose from 16½ to 19¼ lakhs. No remittance was received from other Provinces, but one lakh was sent to Coorg. The balance of copper coins in the treasuries at the close of the year also rose from 8½ to 9¾ lakhs. The only remittance received from other Provinces was Rs. 10,000 worth of pie-pieces from Calcutta and Rs. 20,000 in copper was sent to Coorg. The local circulation thus fell by 123 thousands.

**Land revenue.**

Land revenue yielded a little over 554 lakhs or nearly 15¾ lakhs more than in the previous year in which the remissions granted in that year and in 1896–97 on account of famine diminished the receipts. In 1898–99, on the other hand, the season having been generally favourable the demand was promptly collected in almost every district. The charges fell from a little over 54½ to nearly 49¼ lakhs. The expenditure in 1897–98 was swelled by indirect charges due to famine under charges of District Administration, whilst the re-organization of the Survey Department and the different changes introduced from time to time on the one hand and savings due to unfilled vacancies in the Settlement Department on the other reduced the expenditure of the Survey and Settlement Departments in the year under report.

**Salt.**

The year was not marked by any important changes in the administration of Salt Revenue. The total quantity of salt received into store in all the factories rose from a little over 6½ million maunds to a little over 6¾ million maunds. The issues also rose from a little over 8¾ million maunds to a little over 9 million maunds in 1898–99. The receipts of the year are the highest on record. They amounted to 199¾ lakhs or 27¼ lakhs more than in the previous year. The considerable increase under this head is attributed partly to the realizations on account of the unusually large credit sales chiefly in the second half of 1897–98

and partly to the large cash sales in the closing months of the year under report consequent on fluctuations in the price of Government paper. The charges amounted to nearly 17½ lakhs or about three-quarters of a lakh less than in 1897–98. The decrease took place solely under salt purchase and freight.

Stamps. Stamp revenue fell from 84¼ lakhs to nearly 82¾ lakhs. In 1897–98 monetary transactions rose owing to agricultural distress. The fall in sales necessarily reduced issues from the central stores and the discount on sales and consequently the total charges fell from 3½ to 3¼ lakhs in the year under report.

Excise and abkári. Excise and abkári revenue has been falling since 1897–98. It fell from 144¾ lakhs in 1896–97 to 142¼ lakhs in 1897–98 and to 133 lakhs in 1898–99. An increase in the price of spirits and food-grains and the prevalence of Plague in the Bombay Presidency and in certain districts of this Presidency are put down as the chief causes of this fall. The charges amounted to ten lakhs as in 1897–98.

Opium. Opium receipts fell from four to 3¾ lakhs in the year under report. The charges are inconsiderable in amount.

Sea and land customs. Sea customs receipts which amounted to 41¼ lakhs in 1897–98 fell to thirty-five lakhs in 1898–99. Owing to prevalence of famine in Bengal its export trade in rice with Ceylon was diverted to this Presidency. In that year there were very large imports of kerosine oil. The charges in 1897–98 were 2¼ lakhs and in the year under report they were slightly more. Land customs receipts also fell from 2¼ lakhs in 1897–98 to a little over a lakh and a quarter in 1898–99. The fall which occurred under export duty was due to smaller exports of rice from Karaikkal than in 1897–98 in which year owing to famine in Bengal the trade in rice with Ceylon was all diverted to Madras. The charges were as in the previous year a little less than a quarter of a lakh.

Income-tax. Income-tax receipts which exhibit an annual increase rose from 24¾ to twenty-six lakhs. The charges amounted as in the previous year to a little over a quarter of a lakh.

Forest. In the Forest department the receipts amounted to twenty-one lakhs, the charges to sixteen lakhs, giving a surplus of five lakhs. The corresponding figures for 1897–98 were in receipts 21¼ lakhs, charges 15¾ lakhs and surplus 5½ lakhs. The surplus of the year was thus worse than that of the previous year by half a lakh.

Registration. The receipts of the Registration department were abnormally high in 1897–98 owing to famine, and amounted to 15¼ lakhs. The receipts of the year 1898–99 which was a normal one did not exceed thirteen lakhs. Owing to expansion of departmental operations the charges rose from 8¼ to 8½ lakhs.

Other Imperial and Provincial Civil services. Under the remaining Imperial—Provincial heads the receipts were better than those of the previous year by 4¼ lakhs made up of variations under several heads. Of these variations the largest is one of 3¾ lakhs under 'Miscellaneous' representing sale-proceeds of cloths manufactured at the expense of Government during the late famine to afford relief to weavers. The charges fell short of those of the previous year by a little over fourteen lakhs. The expenditure in 1897–98 was considerably swelled by famine and therefore the large decrease does not represent an actual saving in expenditure in the year under report.

Excluded Local Funds. The receipts of Excluded Local Funds rose from eight lakhs to nearly nine lakhs and the charges from 7½ lakhs to 9¼ lakhs in the year. The increase in both receipts and charges occurred under Port and Marine Funds.

Public works —Imperial.

The Imperial Public Works Department receipts exclusive of income-tax fell from 149 lakhs in 1897–98 to 135½ lakhs owing chiefly to a fall in the gross earnings of railways caused principally by the plague restrictions which seriously affected the free movement of passengers on all the railways. The expenditure also fell from 267¼ lakhs to 180¼ lakhs. Of the decrease of eighty-seven lakhs, sixty-six lakhs represent the actual expenditure on famine relief works by the Public Works Department in 1897–98. The remaining decrease of twenty-one lakhs is spread over several items, but chiefly under railways and various causes are assigned for the short expenditure.

Postal department.

The receipts and outgoings of the Postal department were 143¾ and 191 lakhs, respectively, against 139¼ and 191¼ lakhs in the previous year.

Telegraph department.

Whilst the receipts of the Telegraph department fell from 7½ lakhs to seven lakhs, the charges amounted as in the previous year to 5¾ lakhs.

Loans.

No new loans were granted during 1898–99 except a temporary loan of two lakhs in January 1899 to the Madras Municipality for three months. But as the repayment did not take place in the same official year, it swelled the outstandings on the 31st March 1899. The repayments amounted in the aggregate to a lakh and a half, so that the balance of loans outstanding at the commencement of the year which amounted to 76¼ lakhs was raised at its close to 76¾ lakhs.

Provincial services.

The receipts of Provincial services amounted in the aggregate to nearly 337¾ lakhs and the charges to 321½ lakhs. The net result of the year's transactions is therefore a surplus of 16¼ lakhs against a deficit of 15¾ lakhs in the previous year. The balances at credit of Provincial services were thus raised from a little under 7¼ lakhs on 1st April 1899 to a little over 23¼ lakhs on the 31st March 1899.

Incorporated Local funds.

Incorporated Local Funds comprise (1) Local Funds under Act V of 1884, (2) Village Service Funds, (3) Irrigation Cess Funds, and (4) The Bhadráchallam Road Fund. The balances at credit of these funds fell from 35½ lakhs on 1st April 1898 to 24¾ lakhs on the 31st March 1899. The large decrease was due to a fall in the receipts of Village Service Funds and to the investments in Government securities of two lakhs of rupees in favour of the Railway Guarantee Fund of the Tanjore district and of Rs. 70,000 on account of the Tanjore Rája's Chattram Fund.

Currency transactions.

The circulation of currency notes for the Madras and Calicut Circles, excluding those held in the Branch Reserve treasury was 263 lakhs at the beginning and 316 lakhs at the end of the year; the latter was also the highest circulation in the year, the lowest being 231 in May 1898. The average monthly circulation was 277 lakhs, which is seven lakhs more than that of the previous year. The increase was only in the higher denominations, namely, 16 lakhs, there being a decrease of 9 lakhs in the lower denominations. The Coin Reserve held in the Presidency was 338 lakhs at the beginning and 242 lakhs at the close of the year; 163 lakhs of the former and forty-six lakhs of the latter representing the value of the notes held in the Branch Reserve treasury. The receipts and issues of Home notes amounted to 1,727 lakhs and 1,662 lakhs, respectively, against 1,722 lakhs and 1,855 lakhs in the previous year. In the case of the two persons accused of fraud at Bangalore, who were acquitted by the City Magistrate as reported in the summary for the year 1897–98, an appeal was preferred at the instance of the Resident in Mysore against the order of acquittal by the City Magistrate, with the result that one of

them was convicted and sentenced to rigorous imprisonment for six months and a fine of Rs. 40, or in default to further rigorous imprisonment for three months. The other died of plague before the proceedings against him were concluded. A case of fraud occurred during the year at Tellicherry, Malabar district. One Srinivasa Kamthy forwarded the left half of a currency note for Rs. 100 and claimed value on the ground that the right half was lost. This half had, however, been deposited in this office in 1893 by a merchant of Coorg who reported that the left half together with other articles was stolen from his house. He established his claim and was paid full value on a bond of indemnity. Srinivasa Kamthy's claim was accordingly referred for enquiry to the District Magistrate, Malabar, with the result that he and his brother were prosecuted before the Joint Magistrate and were convicted. Srinivasa Kamthy was sentenced to three months' rigorous imprisonment and a fine of Rs. 500 and his brother to a fine of Rs. 500. Another case of a somewhat similar nature occurred at Coimbatore. One Tukaram Lala, a broker, forwarded to this office the left and right halves of two currency notes for Rs. 50 each and claimed value. The corresponding halves of these notes, however, were deposited in this office so far back as 17th September 1888 by T. Ramachandra Aiyar, High Court Vakil, Madras, as a mismatched note for Rs. 50 and under the rules in force value thereon was paid to him after three years. Tukaram Lala's claim was therefore referred for enquiry to the District Magistrate of Coimbatore, with the result that he was prosecuted before the District Magistrate and convicted for attempting to cheat and sentenced to a fine of Rs. 250 or in default three months' rigorous imprisonment. Only one case of forgery occurred during the year. At Kálahasti in the North Arcot district one A. Kannia Naidu attempted to duplicate a currency note by means of chemicals and had partly done so when he was arrested by the Police. The case was committed to the North Arcot Sessions, but the accused was acquitted by the Sessions Judge. The profit to Government on the currency operations of the year amounted to Rs. 2,73,816-9-3 against Rs. 2,72,295 in 1897-98.

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## SECTION VI.—VITAL STATISTICS AND MEDICAL SERVICES.

Vital and sanitary statistics.

No change has been made in the system of registration of births and deaths in this Presidency. Increased attention was paid to the subject by the Revenue authorities in rural areas. In municipal areas, registration is carried on by a specially appointed agency—the Registrars of Births and Deaths—while in rural areas this function is performed by village kurnams. In the Agency and Zamindari tracts, registration of births and deaths does not extend to their respective total populations, and even this is not regularly conducted. In consequence of this unstable character of the population statistics, vital returns received during the year under report covered only 33,248,180 out of a total population of 34,727,623, exclusive of Europeans and Eurasians, according to the census of 1891. The births registered during 1898 aggregated 911,742 against 935,845 in 1897. The birth-rate per mille for the Presidency was therefore 27·4 against 28·7 in 1897. The birth-rates varied in different districts, ranging from 18·6 in Malabar to 41·5 in Madras. Compared with 1897, the birth-rate was larger in six districts (Coimbatore, Gódávari, South Arcot, Tanjore, Tinnevelly and Trichinopoly) and smaller in the remaining sixteen districts of the Presidency. The highest birth-rate was, as

in the previous year, registered in Madras (41·5). The birth-rate was above 30 per mille in seven districts and above 20 per mille in fourteen districts, while in Malabar alone it was below 20 per mille. The rates for municipalities, rural towns and rural villages were 34·9, 23·3 and 26·9, respectively. Of the total number of births registered in 1898, 465,518 were males and 446,224 were females, a proportion of 104·3 boys to every 100 girls against 103·9 boys to every 100 girls in 1897. Madras and the Nilgiris excepted, all the districts in the Presidency recorded births in excess of deaths. The total number of deaths registered amounted to 699,108 against 827,525 in 1897, yielding a ratio of 21·0 per mille of the population. The proportion of deaths among males and females was 106·3 to 100. Calculated on the number of children born during the latter half of 1897 and the former half of 1898, the death-rate of infants was 168·9 per mille. Classified according to race, the rates of mortality among Muhammadans, Native Christians, Hindus and other classes were, respectively, 18·9, 16·2, 21·3 and 14·1 per mille. Madras returned the highest death-rate of 45·2 per mille, while Madura returned the lowest rate of 15·6. The death-rate was low in eight other districts also, ranging from 16·7 in Gódávari to 19·7 in Nellore. The rates for municipalities, rural towns and rural villages were 31·9, 19·0 and 20·3, respectively, against 33·3, 25·0 and 24·8 in the preceding year. The total number of deaths from cholera was 65,444 or 78,001 less than in 1897, yielding a ratio of 2 per mille of the population against 4·4 in 1897. The deaths from small-pox reported from all the districts in the Presidency aggregated 20,490 against 21,678 in 1897. The disease was present in all the districts of the Presidency throughout the year, except Madras and the Nilgiris. Fevers contributed 248,638 deaths against 292,292 in 1897. The death-rate from this cause was 7·5 per mille against 9·0 in the previous year, and 8·2, the quinquennial average. The highest death-rate was returned by the Nilgiris (22·1) and the lowest (1·5) by Tanjore. Dysentery and diarrhœa accounted for 29,654 deaths against 38,716 in 1897. The death-rate was 0·9 per mille against 1·2 in 1897. The deaths from injuries aggregated 11,047 against 11,583 in 1897, and those from unspecified causes 323,835 against 319,811 in the previous year, yielding a rate of 9·7 per mille for the year under report. The total birth-rate of the mofussil municipalities was 33·2 per mille against 32·5 of the previous year. In twelve towns the birth-rate was above 40 per mille, in thirty-one it was between 30 and 40, in fourteen it was between 20 and 30, and in one it was below 20. The rates varied considerably, ranging from 17·6 in Cuddapah to 54·5 in Vániyambádi. The death-rate of the fifty-eight municipal towns averaged 28·5 against 32·6 in 1897. The rates varied from 18·9 per mille in Dindigul to 39·3 in Guntúr and Ootacamund. Deaths from small-pox were reported from thirty-nine towns, and the total death-rate was 0·3 per mille against 0·2 in the preceding year. Deaths from fevers were registered in every municipal town. The death-rate from this cause was highest in Cuddapah (14·8), followed by eight towns with a death-rate ranging from 10·1 in Bellary to 12·5 in Kurnool. Deaths from dysentery and diarrhœa occurred in every municipal town in the Presidency. The highest death-rate was returned by Tuticorin (9·3). Municipal councils devoted 53·2 and district boards 8·3 per cent. of their respective total receipts to expenditure on sanitation against 63·6 and 8·4 per cent., respectively, in the previous year.

Plague.

Up to 31st March 1899, 382 cases of imported plague occurred in the villages of the Presidency. The spread of the disease was, as a rule, successfully prevented by prompt precautionary measures. In the City of Madras there were only seventeen imported seizures and no indigenous cases. The plague was at its highest in

the week ending 11th February 1899 when the number of attacks was 263 and the number of places infected fifty. There were 2,075 seizures and 1,681 deaths of indigenous plague during the year. The most important measures adopted were the entire evacuation of the infected localities, the segregation of their inhabitants and the thorough disinfection of houses. The total plague expenditure was Rs. 9,85,410.

Sanitary engineering.

During the year surveys for water-supply were completed for three municipalities and were in progress for one municipality and one taluk board. Estimates for water-supply schemes for Vizianagram and Bezwada and for the Tanjore water-works extension schemes were submitted, as were also preliminary reports and alternative estimates for the water-supply of Tiruvannámalai and for the extension of that at Kurnool. The construction of additional water-works at Conjeeveram was nearly completed. Thirteen type designs for sanitary works and twenty for hospital buildings were issued. The number of public latrines in mofussil municipalities aggregated 1,205 against 1,180 in 1898, and that of private latrines cleaned by municipal agency rose from 44,198 to 51,261.

Vaccination.

The total number of vaccine operations performed during 1898–99 was 1,117,993 or 153,736 less than in 1897–98. This falling off was mainly attributable to a confusion by the people of vaccination with plague inoculation. The percentage of success obtained was 88·6 or 2·7 per cent. less than in the previous year. The average cost of each successful case was As. 4–1. Of the operations performed, 1,039,713 were primary and secondary vaccinations and 78,280 were re-vaccinations; 906,804 of the former and 53,758 of the latter proved successful, the percentage of success being 89·5 and 75·4, respectively. 77·6 per cent. of the total successful operations were upon infants and children under six years of age. The number of persons under one year old successfully vaccinated (including those in Cantonments) was 282,969 or 43,328 less than in the previous year. The vaccinations performed by Local Fund and Municipal agency were, respectively, 911,862 and 118,140 against 1,067,287 and 127,724 in 1897–98. The degree of success attained was 88·5 per cent. in the case of the former and 93·0 in the case of the latter. Compared with the previous year, the work done in eighteen districts and thirty-two municipalities showed a decrease. The total number of cases performed by each vaccinator showed a falling off of 11·8 per cent. when compared with the previous year. The total number of cases verified by Deputy Inspectors of Vaccination rose from 627,276 in 1897–98 to 634,473 in 1898–99. Vaccination was conducted solely with animal lymph throughout the Presidency. The best results were given by calf-to-arm vaccination, the worst by glycerine lymph.

Medical relief.

There were fourteen institutions in the City of Madras with a total accommodation for 1,359 in-patients. They afforded medical relief to 202,464 patients of all classes and sexes at a total cost of Rs. 4,04,702, or Rs. 2 per head against Rs. 1–14–6 of the previous year. Including police hospitals and wards, the Residency hospital, Trivandrum, and eight institutions in Pudukkóttai State, the total number of civil hospitals and dispensaries that were at work at the end of the year was 539 having accommodation for 3,873 in-patients; they afforded medical relief to 4,179,421 patients of all classes and sexes with a death-rate of 60·60 per mille among in-patients. The largest number of cases treated was for ulcers, diseases of the skin, diseases of the digestive system and malarial fevers. The quality of the surgical work turned out during the year was good. The total cost

of the upkeep of these institutions was Rs. 10,96,100, or As. 4–2 per patient treated. The total population in the three asylums, both criminal and civil, was 714 during the year. Of these, ninety-one were discharged and forty-six died, leaving 577 at the end of the year. These asylums were worked at a total cost of Rs. 86,503, or Rs. 149–1–0 per head per annum calculated on the daily average strength.

Emigration.

During the year 1898, ten ships with 4,083 coolies left for Natal and none for Mauritius. There were two return ships from Natal and two from Mauritius bringing, respectively, 320 and 548 emigrants. The mortality among the emigrants during the voyage from Natal was five, and among those from Mauritius was six. The Natal emigrants brought savings amounting to Rs. 48,499 and those from Mauritius Rs. 14,082 as admitted by them. The fees collected on emigrants to Natal aggregated Rs. 10,014. 3,319 indentured emigrants embarked from Negapatam for the Straits Settlements. Only 269 emigrants to Assam from Ganjám were registered against 1,044 in the previous year. There was no emigration to the French Colonies. 15,339 free passengers embarked for the Straits Settlements against 18,179 in the previous year. Passengers for Burma and Ceylon numbered 70,874 and 142,300, respectively, against 71,190 and 166,186 in 1897–98. 216,901 persons returned from the various colonies and the other parts of British India, of whom those returning from Ceylon and Burma numbered 110,714 and 44,087, respectively.

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## SECTION VII.—INSTRUCTION.

Madras University.

The by-laws relating to the affiliation of colleges to the University were thoroughly revised during 1898–99. The number of candidates admitted to degrees in the several faculties fell from 556 to 515. For the M.A. degree examination twenty-six candidates appeared, of whom nine passed, against eleven out of twenty-nine in 1897–98. The passed candidates represented four branches of knowledge. In the English language, the Second language and the Science division of the B.A. degree examination, 368, 428 and 397 candidates, respectively, were successful out of 700, 516 and 734 who appeared. Of the successful candidates, 159 appeared for and passed the examination in all the three divisions during the year, and 192 completed the examination, having passed in one or two divisions previously, while 758 passed in one or two divisions only. Three female candidates—two European and one Native Christian—presented themselves for the English and the Second language divisions of the B.A. degree examination, and all of them passed in the English and two in the Second language division, and of the five female candidates—four Europeans and one Native Christian—who appeared for the Science division, three were successful. For the First examination in Arts 1,965 candidates appeared, of whom 739 passed against 659 out of 1,858 in the previous year. Six of the passed candidates and twenty-two of the examinees were women.

Collegiate education—Arts.

There were eleven first-grade colleges as in the previous year, and the M.A., B.A. and F.A. classes were, respectively, 15, 1,063 and 1,252 strong against 25, 1,003 and 1,174 in 1897–98. Twenty-nine second-grade colleges, attended by 1,196 F.A. students, were at work against twenty-eight with 1,162 students in the previous year. Two of the second-grade colleges were intended for the exclusive use of women, and they had seven students on their rolls. There were, besides, eighteen women attending the colleges intended for men.

Law.

One candidate appeared for and passed the M.L. degree examination against one out of three in 1898. For the B.L. degree examination 317 candidates against 232 appeared, and ninety-four against fifty-eight passed. For the First examination in Law 518 candidates appeared, of whom 203 passed against 129 out of 491 in the previous year. In consequence of the heavy fall from 612 to 417 in the strength of the Law College, Madras, the fee and other receipts fell from Rs. 59,593 to Rs. 50,628. The expenditure, excluding a special outlay of Rs. 8,186 on furniture, was Rs. 41,283. The college was thus worked at a profit of Rs. 9,345, or Rs. 1,159, if the cost of furniture is taken into account. The new building erected for the Law College was occupied early in 1899.

Medicine.

No candidate offered himself for the M.D. degree or for L.S.Sc. examination. At the second and first M.B. and C.M. examinations, two and eight candidates were successful out of three and fifteen examined. Twelve candidates appeared for the Preliminary Scientific examination, and seven passed against eleven out of sixteen in 1897–98. Seven and two candidates passed the second L.M. & S. and first L.M. & S. examinations, respectively, out of twenty-two and five who appeared, against eleven and three out of twenty-seven and six in the previous year. The strength of the college department of the Medical College fell from eighty-one to seventy-nine. Fifty-one students against thirty-nine were in the M.B. and C.M. section and eleven against twenty-six in the L.M. & S. section, while seventeen against sixteen were casual students.

Engineering.

Five candidates presented themselves for the B.E. degree examination, of whom three were successful. At the First examination in Engineering five out of eleven candidates passed against six out of ten in the previous year. Six Engineers and twenty-eight Engineer subordinates appeared for the final examination before the College Board of Examiners, and four and twenty-one, respectively, passed. The Engineer class of the Madras College of Engineering contained thirty-one students against twenty-five and Engineer subordinate class sixty-five against sixty-one. Three Engineers and nineteen Engineer subordinates completed their practical course and received college diplomas and certificates. The rules of the college were revised during the year.

Teaching.

At the written and practical examinations for the degree of Licentiate in Teaching, forty-seven and twenty-three candidates, respectively, passed out of eighty-five and seventy-two examined, against thirty-three and thirty-two out of sixty-eight and sixty-nine in the previous year. For the written and practical tests for second-grade Collegiate teachers' certificates, conducted by the Board of Examiners for teachers' certificates, fifty-eight and twenty-seven candidates appeared, of whom eighteen and twenty, respectively, were successful. Five graduates and five First Arts under-graduates were under training in the Rajahmundry Training College and forty-three graduates and eighteen First Arts under-graduates in the Teachers' College, Saidapet. The new buildings for the former college were completed; the Smartha Brahman hostel opened in the latter college continued to be successful.

Agriculture.

Five candidates obtained diplomas in Agriculture during the year. For the advanced and intermediate technical examinations in Agriculture, eight and eighty-two subject-candidates appeared, of whom four and fifty-nine, respectively, passed. The number on the rolls of the College of Agriculture fell from forty-nine to forty-six. The Veterinary Hospital continued to be popular. The farm, which

was extended by 10 acres, worked successfully. Steps were taken to fill up the place of Vice-Principal, so long vacant.

Secondary education of boys.

For the compulsory subjects of the Upper Secondary examination, 187 male candidates appeared and six passed. Three candidates, who had already passed the compulsory portion, passed in the optional subjects last year. Since the institution of the examination in 1889, thirty candidates have passed the examination in full and qualified for superior appointments in the public service. At the Matriculation examination 1,859 against 1,483 male candidates were successful out of 5,833 against 5,402 examinees. The number of upper secondary schools for boys rose from 140 to 144 and the strength of the upper secondary and lower secondary departments of these schools from 14,079 and 17,342 to 14,303 and 17,616, respectively. With eight exceptions all the schools were recognized under the Educational Rules. In the upper secondary stage of instruction in all classes of institutions there were 14,304 boys against 14,077 in 1897–98. At the Lower Secondary examination 2,397 against 1,832 male candidates passed for complete certificates out of 10,508 against 8,538 examinees. For the results grants examination of the lower secondary standards, 4,785 boys were presented, of whom 2,547, passed against 2,509 out of 4,267 in 1897–98. Besides the lower secondary departments of upper secondary schools there were 272 English and 114 vernacular lower secondary schools for boys against 266 English and 118 vernacular schools on the 31st March 1898. The lower secondary departments of the above schools were, respectively, 13,677 and 2,578 strong against 13,200 and 2,404. Of the 386 schools, seven were night schools and the rest day schools. 253 of the English and seventy-six of the vernacular schools were recognized under the Educational Rules. In the lower secondary stage of instruction in all classes of institutions there were 33,778 boys against 32,832 in 1897–98.

Secondary education of girls.

Three female candidates appeared for the Upper Secondary examination, but all failed. At the Matriculation examination fifty-two female candidates passed out of 129 examined against thirty-two out of 110 in 1897–98. The number of upper secondary schools for girls rose from twenty-one to twenty-four and the strength of the upper secondary department from 359 to 408. All the schools with one exception were recognized under the Educational Rules. In the upper secondary stage of instruction in all classes of schools there were 407 girls against 361 in 1897–98. For the Lower Secondary examination, 734 female candidates appeared, of whom 308 passed the complete test, the corresponding figures for the previous year being 755 and 279. For the results grants examination of the lower secondary standards, 978 girls were presented, of whom 596 passed. Besides the lower secondary departments of upper secondary schools, there were forty-four English and 156 vernacular lower secondary schools for girls against forty English and 145 vernacular schools in 1897–98, and the lower secondary departments of the above schools were, respectively, 1,126 and 1,628 strong against 1,055 and 1,529. Of the schools 164 were recognized under the Educational Rules. In the lower secondary stage of instruction in all classes of institutions there were 3,503 girls against 3,337 in 1897–98.

Primary education.

For the Primary examination 31,464 male and 2,585 female candidates appeared against 29,194 and 2,373 ; and 14,421 male and 1,570 female candidates passed for complete certificates against 12,491 and 1,326 in 1897–98. For the results grants examination for the primary standards 218,719 boys and 44,205 girls

were presented, of whom 163,883 boys and 32,965 girls passed. Public primary schools for boys advanced from 19,826 to 19,989 and their strength from 581,371 to 587,251; but girls' schools of this description fell slightly from 851 with 36,230 pupils to 850 with 36,166 pupils. There were in all classes of institutions 43,243 boys and 5,509 girls in the upper primary stage of instruction against 42,088 boys and 5,444 girls in the previous year.

Training schools.

For the written test for teachers' certificates 2,534 candidates against 2,174 appeared, 2,273 against 1,953 for trained and 261 against 221 for untrained teachers' certificates; and 1,185 and 118 passed against 1,061 and 109, respectively, for trained and untrained teachers' certificates. At the practical test 995 candidates passed out of 1,343 against 1,063 out of 1,395 in the previous year. The number of sessional schools having risen from sixteen to seventeen, training schools for men including schools for gymnastic instructors advanced from sixty to sixty-one; but their strength fell from 1,440 to 1,418, the number of students under instruction in training schools proper being 1,144 against 1,200 in the previous year. At the written test seventy-eight trained masters passed for upper secondary, 177 for lower secondary, and 672 for primary grade certificates; and 1,001 trained men entered service as teachers. The number of training schools for mistresses stood at nineteen as in the previous year, but their strength rose from 307 to 326. At the written test thirty-one trained mistresses passed for upper secondary, eighty for lower secondary and 119 for primary grade certificates, and 247 trained mistresses found employment as teachers. For the examination for certificates as gymnastic instructors sixty-one candidates appeared from the Teachers' College Gymnasium and the Rajahmundry Gymnastic class, of whom fifty-seven passed. Twenty-seven trained men obtained employment as gymnastic instructors. On the whole, eighty-four sessional schools were held during the year, and 999 teachers attended them; of these 857 appeared for the complete test at the Primary examination, thirteen for the compulsory subjects only, and twenty-two for optional subjects only; 579 passed the complete test, seventy-nine the compulsory subjects and one optional subject, thirty-five the compulsory subjects only and twelve the optional subjects only.

Schools of medicine.

For the primary examination of the Apothecary grade ten candidates, including five women appeared, of whom nine passed, including four women. For the first examination of the Apothecary grade held for the first time, seventeen candidates including seven women appeared, of whom seven including three women passed. At the final examination of the Apothecary grade twenty-two candidates appeared, of whom eighteen passed: five of the candidates were women, all of whom were successful. No candidates appeared for the chemists' and druggists' diploma. For the final examination for the Hospital assistant grade eighty-nine candidates presented themselves, of whom sixty-nine passed. As in 1897–98, two medical schools were at work, but the number of medical pupils attending them fell from 432 to 410, of whom twenty-nine were women.

Technical, industrial or art schools.

At the Government Technical examinations, 1,681 subject-candidates were successful out of 3,980 entrants against 1,705 out of 3,497 in the previous year. Of the passed candidates, twenty-eight passed Advanced, 510 Intermediate, and 1,143 Elementary examinations. Five candidates received diplomas in Agriculture and one in Drawing; while eleven, of whom one was a female candidate, obtained group certificates in Drawing, ten in Book-keeping, seven in Surveying, two in

Correspondence and one in Mechanical Drawing. The number of technical, industrial or art schools fell from forty-seven to forty-six and their strength from 3,502 to 3,307. Ninety-seven men trained in these schools obtained employment during the year. The number of boys in the Reformatory School, Chingleput, fell from 151 to 149.

**Private and Indigenous schools.**

The number of private and indigenous schools rose from 5,388 with 108,981 pupils to 5,496 with 112,376 pupils. Fifty of the schools against forty-six were advanced schools teaching Arabic or Persian and 179 against 160 were advanced schools teaching Sanskrit. Twelve Sanskrit schools received aid from Government to the extent of Rs. 1,250.

**General statistics.**

Institutions, public and private, of all grades rose from 26,968 to 27,263 and scholars therein from 828,560 to 840,047. The number of schools and scholars declined in eight districts (Cuddapah, Nellore, Madras, North Arcot, South Arcot, Trichinopoly, Salem and South Canara). Kistna lost sixteen schools, but had an accession of 1,615 pupils. Madura had the largest advance in scholars and Ganjám in schools. The proportion of scholars to population in the different districts varied from 1 in 11 to 1 in 81. Of the male and female population of school-age 27·1 and 4·6 per cent. were under instruction.

**Financial.**

All classes of institutions, public and private, taken together, yielded Rs. 19,57,911 in the shape of fees against Rs. 19,31,243 in the previous year; but the percentage of fees to total cost remained the same, viz., 33. There was an increase of Rs. 9,506 and Rs. 24,705 in the fee income of board and of unaided and private institutions, respectively, but the fee receipts in Government and aided schools declined by Rs. 7,290 and Rs. 293, respectively. The average fee per student was Rs. 2·41 as in 1897–98. On grants-in-aid Rs. 6,49,556, Rs. 2,32,242 and Rs. 1,12,240 were, respectively, paid from provincial, local and municipal funds against Rs. 6,52,757, Rs. 2,28,771 and Rs. 1,07,278 in the previous year. The total expenditure on public instruction from all sources rose from Rs. 66,86,435 to Rs. 69,12,173, of which Rs. 19,30,749 were contributed by Government, Rs. 8,14,080 by local fund boards, Rs. 2,37,358 by municipalities, Rs. 19,93,210 by fees (including University, Teachers' Certificate and Sub-Assistants' examination fees) and Rs. 19,36,776 by endowments, subscriptions and miscellaneous receipts. Of the aggregate outlay 12·67 was devoted to university education, 62·47 to general and 7·22 to special school education, and 17·64 against 16·29 to general or indirect charges.

**Registration of books.**

The number of publications registered during the year advanced from 961 to 1,129, of which 284 were in English or other European languages; 275 or nearly a fourth of the total number of publications were educational in their aim. The number of works registered for copyright was 336 against 320 in the previous year.

**Miscellaneous.**

The work done by the Text-Book Committee continued to be satisfactory. Of the books referred to the Committee up to the 31st March 1899 all but one were examined. A list of the books in the educational library and museum located in the Director's office has been prepared and forwarded to the Text-Book Committee and the Sub-Committee has been requested to examine it. The art loan collection had seventy-eight pictures on the 1st April 1899 and was used to a fair extent by the schools in Madras. The hostel intended for the southern group of colleges in Madras was in fair progress at the close of the year, and a site was

secured for the construction of Rája Sir Savalai Rámasámi Mudaliyar's hostel for the northern group of colleges. Continued attention was paid to the physical and moral training of students.

Ootacamund Lawrence Asylum.

The male branch of the Lawrence Asylum was raised to the upper secondary standard. Excluding seven day scholars, it had 298 pupils on the rolls against 310 in 1897–98. Of the total number 116 were of European parentage, and 198 or 66 per cent. were sons of soldiers in the British Army and seventeen belonged to the Native Army. The average cost per pupil fell from Rs. 322 to Rs. 321. The female branch of the Asylum had, besides five day scholars, sixty-three boarders on the rolls against sixty-five in 1897–98. Forty-four of the girls were of European parentage. Fifty-five were the daughters of parents belonging to the British Army, and the parent of one belonged to the Native Army. The average cost per pupil fell from Rs. 301 to Rs. 279. The results of the public examinations and of inspection were satisfactory.

Government examinations.

During the year 1898–99, there were held in all eleven examinations as against ten in the previous year. For the Primary examination, 34,049 candidates appeared and 25,943 passed, of whom 15,991 rendered themselves eligible for certificates, the corresponding figures for 1897–98 being 31,567, 22,984 and 13,817, respectively. 11,242 candidates appeared for the Lower Secondary examination, of whom 4,926 passed, 2,705 qualifying for certificates, the corresponding numbers for the year previous being 9,293, 4,548 and 2,111. 190 candidates were examined for the Upper Secondary examination and six passed, against 149 and nineteen, respectively, in the year previous. For the Hand-writing and Dictation Test for under-graduates, which was held twice for the first time last year, 2,667 candidates in all appeared, of whom 569 were successful, as against 1,702 and 305, respectively, at the examination of December 1897. Of the successful candidates, 481 were Matriculates and eighty-eight were First in Arts under-graduates. Two examinations were held for the admission of candidates into the subordinate department of the Medical College, one for the Assistant Surgeon grade, for which eighteen candidates appeared against seventy-four in the previous year, and the other for the grades of Civil Medical pupil, Native Military pupil, and Madras-Burma Hospital Assistant, for which forty-four, seventeen and forty-four appeared, respectively, against thirty-five, forty-eight and thirty-seven in 1897–98. The total number of candidates that registered their names for the Special Tests, chiefly Revenue and Judicial, was 4,606 against 4,883 and the numbers examined and passed were 3,941 and 946 against 4,175 and 1,361, respectively, in the previous year. The percentage of passed to examined was 24·00 against 32·59. 541 candidates appeared for the Salt and Abkári Tests, of whom 284 passed, the corresponding figures for 1897–98 being 750 and 550. The total number of candidates that registered their names for the Sub-Assistant Inspectors' Tests was twenty-nine, of whom twenty-five applied for the Sub-Assistants' Tests proper, and the rest in view to qualifying for clerkships on Rs. 50 and upwards in the Educational department. Thirty-two subject-candidates passed out of forty-one registered. The Salt and Abkári Department competitive examination was not held during the year in accordance with the recommendation of the Board of Revenue approved and sanctioned by Government. The Government Technical examinations were, as usual, held twice in the year, once in the month of April and again in the month of November. Taking both the examinations together, sixty-four candidates appeared for the

Advanced examination, of whom twenty-eight passed as against fifty-nine and twenty-eight, respectively, in the previous year. For the Intermediate examination 1,058 candidates appeared, of whom 510 passed, as against 936 and 453, respectively, in the previous year. For the Elementary examination 2,858 candidates were examined, of whom 1,143 passed as against 2,502 and 1,224, respectively, in 1897–98. The receipts for the year in connection with the examinations under the control of the Commissioner amounted to Rs. 1,23,186 and the charges to Rs. 1,22,045. In 1897–98 the receipts were Rs. 1,14,504 and the charges Rupees 1,09,081.

School of Arts.

The number of students on the rolls of the Madras School of Arts at the close of the year was 525 against 546 at its commencement. The total number of apprentices in the Industrial classes rose from 190 to 200. The group certificate and advanced drawing classes were almost as strong as in the previous year, and the pre-elementary or standard drawing classes were stronger, while the Elementary drawing, the carpet-weaving and jewellers' classes declined. In the several Drawing examinations 173 students were successful out of 371 sent up, and in the Industrial examinations fifty-five succeeded out of seventy-eight. One student obtained the diploma and ten students group certificates in drawing. Receipts from the sale of manufactures (excluding the aluminium industry) amounted to Rs. 9,439 and the drawing class fees to Rs. 1,460. The charges, excluding the aluminium industry, amounted to Rs. 39,673. The net expenditure was Rs. 31,458.

Government Museum—Connemara Library.

The total number of visitors to the museum during the year was 333,895 to the old building and 351,942 to the new. Anthropological and Anthropometrical investigations were carried on, the Malaialis of the Shevaroys and the Kadirs of the Anaimalai hills being among the jungle tribes examined. The total number of readers in the Connemara Library rose from 11,256 to 13,345.

Oriental Manuscripts Library.

Out of the yearly grant of Rs. 600 allotted to the Library of Oriental Manuscripts, Rs. 295–8–0 were spent in transcribing, Rs. 188–8–0 in purchasing and Rs. 136 in binding and contingencies. 391 manuscripts were added to the collection, of which sixty-four were purchased, thirty-eight transcribed or restored and 287 acquired by gift. The number of visitors was 1,464 against 1,461 in the preceding year.

Madras Observatory.

The time service was maintained as usual. A Milne's seismograph was set up and was in use most of the year. The work on the *New Madras General Catalogue of Stars* made good progress, the manuscripts being completed and a great part of the volume being printed. The removal of the books and instruments to Kodaikánal was nearly completed before the close of the year. The most striking feature in the meteorology of the year was the heavy rainfall of 43 inches between October 15th and December 31st.

Madras Meteorological Department.

The number of Meteorological observation stations was seventeen as in the previous year. The observations taken daily at 8 A.M. were telegraphed to the Simla, Bengal, Bombay and Madras Meteorological offices. The Madras daily weather report was regularly published. The total number of Revenue Board rain-recording stations was 405 against 402 in the previous year.

The Press.

Ninety-seven vernacular newspapers and periodicals were in circulation. Thirty of these were in Tamil, nineteen in Telugu, six in Canarese, twenty in

Malayalam and nine in Hindustani. Thirteen were in more than one language. Those with the largest circulation were the *Messenger of Truth* and the *Satyadutan* followed by the *Children's Magazine*, the two latter being Tamil publications, the former Telugu.

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## SECTION VIII.—ARCHÆOLOGY.

The field season during the year was occupied in the completion of the surveys of the masjids at Adóni in the Bellary district and the Great Dravidian temples at Conjeeveram in the Chingleput district, and in examining the numerous archæological remains at Kallugumalai, Kóvilpatti, Sankaranayinárkóyil, Sáttúr and Tinnevelly. Owing to the large number of ancient remains, another tour in the southern portion will have to be made. Some work was also done at the ancient monuments existing in the Cuddapah district. For the purpose of completing materials for a report on ancient palaces, Kondapalle in the Kistna district, Bukkapatnam and Pennakonda in the Anantapur district, Abdullapuram in the North Arcot district, and Allagarkoil and Madura in the Madura district were visited.

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## SECTION IX.—MISCELLANEOUS.

Administration of Local Funds under Act V of 1884.

The Madras Local Boards Act V of 1884 continued to be in operation in all the districts of the Presidency except Madras, in which the City of Madras Municipal Act was in force. There were thus twenty-one district boards or one for each of the mufassal collectorates consisting of the Collector of the district as *ex-officio* President and not less than twenty-four members, the Revenue Divisional officers being *ex-officio* members. One-half of the members of each district board was elected by the taluk boards in all districts, except the Nilgiris, where there are no taluk boards. There were eighty taluk boards as in the previous year, each board being composed of the Revenue Divisional officer as *ex-officio* President and not less than twelve members who were appointed by Government. In all the districts except South Canara and Malabar, the taluk boards had union panchâyats working as their agents. There were altogether 381 panchâyats or five more than in the previous year; each panchâyat consisted of not less than five members, the headmen of the revenue villages included in the unions being *ex-officio* members and the others being appointed by the Presidents of the district boards in exercise of the powers delegated to them by the Governor in Council. The powers of removing these members, of re-appointing members of taluk boards originally appointed by Government, and of accepting the resignation of members of district and taluk boards continued to be exercised by the Presidents of the District Boards. As in the preceding years, the cess on land was levied at As. 2 per rupee of the assessment in Malabar and the Nilgiris (except South-East Wynaad), at As. 1-6 in South Canara, and at one anna in the remaining districts and in South-East Wynaad. Tolls upon carriages, carts and animals were levied in all the districts, except Gódávari, at 300 gates against 286 in 1897-98, and house-tax was levied in 380 unions against 374. There were 123½ miles of road newly constructed and 21,180 miles were repaired, the corresponding figures for the previous year being 80⅝ and 21,210. The local boards maintained 131 hospitals as in the previous year, but the number of dispensaries was reduced from 226 to 223. The total

number of patients treated in these institutions fell from 2,573,054 to 2,499,198. There were 221 trained midwives, or eleven more than in the previous year, in the employ of the local boards, and the number of labour cases attended by them rose from 13,311 to 16,312. The total number of vaccine operations fell from 1,082,497 to 924,235; animal lymph alone was used. Sanitation continued to receive fair attention. The total receipts of the local boards and union panchâyats amounted to eighty-five lakhs, and the charges to eighty-five lakhs and-a-half. The opening balance of the year being sixteen lakhs and-a-half, the balance at its close was reduced to sixteen lakhs. Compared with the previous year, there was an increase of three-fourths of a lakh under receipts and of one and-a-half lakhs under charges. The increase in the receipts occurred chiefly under endowments and miscellaneous items, while that in the charges appeared mainly under plague.

Municipal administration—Mufassal.

As in the previous year, the number of municipalities administered under Act IV of 1884 was fifty-eight. On the 31st March 1899, the several municipal councils had a total strength of 850 members, of whom fifty-eight were *ex-officio* members, 420 were nominated by Government and 372 were elected by the rate-payers, the corresponding figures for the previous year being fifty-eight, 443 and 367. Including those elected, there were 197 official and 653 non-official members against 194 and 674, respectively, in 1897–98. Classified according to nationality, 147 were European or Eurasian and 703 were Native members, as compared with 145 and 723, respectively, in the previous year. Each council met on an average twenty-nine times as in 1897–98, but there was a small decline in the average attendance of the members, which was 8·4 against 8·8 in that year. The elective system of appointing councillors was in force in thirty-six municipalities against thirty-four in the previous year, but twenty other towns to which the privilege had been extended did not exercise it during the year. The right of electing the chairman was enjoyed by thirty-eight municipal councils or one less than in 1897–98, the privilege having been withdrawn from the Municipal Council of Tellicherry. The opening balance of the year was Rs. 5,04,756 against Rs. 10,85,636 in the previous year, and the current receipts amounted to Rs. 27,81,812 against Rs. 29,21,107, the decrease being due chiefly to a fall under grants from Government, Sale-proceeds of Government securities and loans, which was partly counterbalanced by an increase under the several taxes, miscellaneous and advances recovered. The average incidence of municipal taxation per head of the population was As. 15–4 including tolls and As. 11–11 excluding them against As. 14–4 and As. 11, respectively, in 1897–98. The total expenditure was Rs. 26,15,049 against Rs. 35,02,705 in the previous year, the decrease being mainly under public works and advances. The year closed with a balance of Rs. 6,71,519.

Municipal administration—Madras Town.

The revenue and receipts of the year inclusive of an opening balance of Rs. 3,05,396 and a loan of two lakhs of rupees borrowed from Government for plague expenses amounted to Rs. 18,33,528, and the charges to Rs. 17,94,114. The incidence of taxation per head of population was Rs. 2–2–1 against Rs. 2–2–4 in 1897–98. A portion of the Moore market was almost completed. It is proposed to raise a loan of Rs. 1,50,000 for completing the remaining three sides. A chimney to a height of 180 feet and twelve iron furnaces for the incinerator were constructed. A toll station at the limits of Erukanchery road was constructed, and Nos. 1 and 2 cottages on the Delivery channel were re-built and the extension of the Boiler House at Râyapuram was in progress; the Mylapore drainage was completed. Pipes were laid in Sydenham's road. 157,240 feet of water-pipes laid between

the years 1870 and 1882 were cleaned at a cost of Rs. 49,712. A sum of Rupees 12,673 was spent on education against Rs. 11,590 in 1897–98. There were 143 schools with 9,360 pupils at the close of the year. The Triplicane Hospital and the Black Town Dispensary were, respectively, maintained at a cost of Rs. 13,860 and Rs. 7,617. The usual contribution of Rs. 20,000 for hospitals and Rs. 50,000 for general purposes were paid to Government, besides Rs. 8,195 paid towards the Medical College. Out of 28,186 cases vaccinated, 25,066 or 95·79 were successful against 96·76 in 1897–98. The cost of each successful case was As. 6–2 against As. 5–1 in 1897–98. The birth and death rates during 1898 were, respectively, 41·3 and 44·8 per mille against 41·3 and 35·5 in 1897. For the conservancy of the town Rs. 4,57,863 was expended against Rs. 3,14,426 in 1897–98.. The debt amounted to Rs. 35,70,000. The total amount at credit of Sinking fund inclusive of Rs. 71,300 invested during the year was Rs. 12,89,700 in Government securities and Rs. 639 in cash.

Ecclesiastical.

On the 31st March 1899 the number of clergymen in the Diocese of Madras was 253 against 258 in the previous year. Thirty-four were Government chaplains. One European and eight Natives were ordained priests and one European and four natives were ordained deacons. 1,556 persons were confirmed, 560 being Europeans and Eurasians and 996 Natives. The Bishop of Madras visited Coimbatore. Ten large and several small stations were visited by the Bishop in Tinnevelly and Madura. Offertories and other voluntary gifts made through the clergy amounted to Rs. 1,47,656 against Rs. 1,38,734 in 1897–98. During the year the Right Reverend Frederick Gell, D.D., resigned the office of Bishop of Madras.

Stationery depot.

The value of stock at the beginning of the year was Rs. 3,52,992 against Rs. 2,75,211 in 1897–98. The receipts and issues amounted in value to Rs. 6,69,764 and Rs. 6,24,926, respectively, against Rs. 7,96,402 and Rs. 7,18,621, so that the value of the stock remaining at the end of the year was Rs. 3,97,830 against Rs. 3,52,992 in the previous year. The value of stores received from the Secretary of State declined from Rs. 2,92,224 to Rs. 1,92,440. Country articles were purchased to the value of Rs. 3,60,924; the estimated loss amounted to Rs. 6,234 against an estimated gain of Rs. 1,58,189 in the previous year. The total cash receipts and charges during the year were Rs. 57,354 and Rs. 5,15,497 against Rs. 37,872 and Rs. 4,55,197, respectively, in 1897–98.

Government Press and its Branch at the Penitentiary.

The cash receipts of the Government Press amounted to Rs. 35,696, or Rs. 3,248 more than in the preceding year, and the expenditure was Rs. 2,70,321 against Rs. 2,51,895 in 1897–98. Acts and other publications to the value of Rs. 18,454 were issued to officers and sold to the public. The cost of work printed was Rs. 2,32,431 against Rs. 2,22,091 in 1897–98. Of original matter, there were 2,00,848 pages and of remade-up matter 17,927 pages with 28,636,587 impressions. The cost per page was As. 15 and for 1,000 impressions Rs. 1–6–4. In the bindery, work to the value of Rs. 24,829 was turned out. The quantity of type cast was 64,207 lb., and its value was Rs. 20,267. The outturn at the Penitentiary Branch Press was Rs. 29,636. Of original matter, there were 9,496 pages with 28,725,516 impressions. The cost per page was As. 13-6, and for 1,000 impressions As. 11–7. Binding work to the value of Rs. 9,758 was turned out. 508 bills, amounting to Rs. 1,46,328, were checked and passed during the year against 542 bills, amounting to Rs. 1,25,367, in the preceding year with a saving to Government of Rs. 699.

Lawrence Asylum Press.

The receipts of the Lawrence Asylum Press during the year under report were Rs. 1,56,203, and the disbursements Rs. 1,54,271 against Rs. 1,67,895 and Rs. 1,52,680 in the preceding year.

District Presses.

The work turned out by the District Presses was valued at Rs. 86,035 or Rs. 2,670 less than in the previous year. The cash receipts amounted to Rs. 17,627 against Rs. 17,835 in 1897–98, while the total charges were Rs. 59,013, or Rs. 2,989 less than in the previous year.

Chemical Examiner's department.

The total number of cases examined by the Chemical Examiner in 1898 was 1,202 against 1,241 in the previous year. Of these, 135 were cases of suspected human poisoning, fifty-seven of blood stains, &c., and six of seminal stains, while seventy-four related to the cases of suspected cattle-poisoning and the remaining 930 were miscellaneous analyses for Government departments and municipalities, and for private parties and firms. Poison was detected in 73·33 per cent. of the cases of suspected human poisoning and in 82·43 per cent. of the cases of suspected cattle-poisoning. Of the fifty-seven cases of suspected blood stains, &c., blood was detected in twenty-nine and of the six cases of seminal stains, semen was detected in four. The principal inorganic poisons employed were various compounds of arsenic, mercury, and antimony and the organic poisons included aconite, atropine, calotropis gigantea, dhatura, diseased grains, ganja, morphine, milkhedge-juice, oleander, opium, picrotoxin, strychnine, and tylophorine. The principal miscellaneous articles examined were salt, beer, ganja, opium, arrack and intoxicating drugs mixed in toddy, &c., for the Board of Revenue; limejuice, kerosine-oil and tinning material for the Commissariat department; explosives, petroleums, oils, paints, medicines, manures, caoutchoucine, methylated spirit, &c., for the Customs department and opium, water, counterfeit coins, limestone, silt, ghee, inks, soil, butter, sugar, &c., for other departments.

Employment of Muhammadans in Government Service.

The total number of Muhammadans in superior service on the 1st April 1899 was 6,214 against 6,082 in the previous year. While the percentage of Muhammadans to the total population of the Presidency was 6·3, the number employed was 15·37 per cent. of the total number of employés. 5,249 Muhammadans held appointments in the Police department and one a post in the Statutory Civil Service.

# PART II.

## DEPARTMENTAL CHAPTERS.

# CHAPTER I.

## GENERAL AND POLITICAL.

### TRAVANCORE STATE.

(15TH AUGUST 1897 TO 15TH AUGUST 1898, MALAYÁLAM YEAR 1073.)

General and political.

THE office of Resident was held throughout the year by the Honourable Mr. J. D. Rees, C.I.E. The Honourable S. Shangarasoobyer, C.I.E., retired from the office of Diwan in April 1898 and was succeeded by M.R.Ry. Diwan Bahadur Krishnasami Rao. During October 1897, His Excellency Sir Arthur Havelock, G.C.M.G., G.C.I.E., Governor of Madras, accompanied by Her Excellency Lady Havelock and staff paid a visit to Travancore proceeding from Bolghatty to Trivandrum and thence to Tinnevelly *viâ* Courtallam. His Highness the Maharaja paid a return visit to His Excellency the Governor at Madras in the following January.

Season and rainfall.

The season was, on the whole, more favourable for agriculture than in the previous year. The rainfall was copious and fairly well distributed. Scarcity prevailed, however, in the two northern divisions from the latter part of 1072 for the first two months of 1073. Rs. 18,415 in all was spent on direct relief. 3,285 inches of rain were recorded against 3,757·66 inches in the preceding year.

Land revenue.

The total demand under this head was Rs. 23,18,793 as compared with Rs. 25,13,008 in 1072. Deducting remissions (Rs. 1,18,802) the net demand was Rs. 21,99,991 against Rs. 23,77,502 in the previous year, a decrease of 1·77 lakhs. Rs. 21,29,469 or 96·50 per cent. of the net demand was collected against 95·50 per cent. in 1072. Remissions decreased from Rs. 78,235 to Rs. 62,053. Under arrears a sum of Rs. 52,028 was written off and of the demand (Rs. 3,56,841), a sum of Rs. 67,646 was collected against Rs. 57,317 in the previous year. The arrear balance thus decreased by Rs. 13,190 as compared with that of 1072 (Rs. 3,02,385). The net revenue under this head amounted to Rs. 18,42,427 against Rs. 19,78,889 in the preceding year. Charges under Land Revenue rose from Rs. 3,49,446 to Rs. 3,54,688.

Survey and settlement.

Survey operations consisted of ordinary, special and miscellaneous cadastral surveys, survey of coffee estates and topographical verification and preparation of taluk maps. The total outturn of boundary demarcation and survey was 311·25 square miles against 309·52 square miles in 1072. The aggregate outturn of fair areas for settlement was 360·78 square miles as compared with 358·69 in the previous year. Topographical taluk maps embracing 916·99 square miles, village maps covering 330·82 square miles, and a number of special and miscellaneous maps were lithographed. The work of the Settlement department was satisfactory, though, in some respects, it fell short of the outturn of 1072. Seven taluks were completed and 16 in progress, leaving 8 as yet untouched. A large number of taxable trees were counted; the Viruthi (service inam lands) settlement was proceeded with, and the rules for the redemption or purchase of these lands were modified for the benefit of the ryots.

Legislation.

Eight meetings of the council were held. Regulations dealing with abkári, game, epidemic disease, the constitution and powers of the council, and the conduct of departmental enquiries were passed; the Penal Code Bill was finally read; Measures relating to evidence, negotiable instruments, wills, and criminal procedure were under consideration.

Police.

The strength of the force was 1,646, 13 short of the sanctioned strength (1,659). The ratio of police to population and area was 1 to 1,908 persons and 5·02 square miles, respectively. The cost of the department was Rs. 2,00,858. Departmental

punishments increased from 1,353 to 1,511, which was due to closer supervision. The number of prosecutions of police officers declined from 82 to 79, with a percentage of conviction of 32·4 against 21·05 in the previous year. The police dealt with 5,390 cases against 4,492 in the previous year. The percentage of conviction to cases charged rose from 77·5 to 82, and of persons convicted from 62·07 to 67·6, while that of property recovered decreased from 76·2 to 65·2. The number of processes served rose from 86,826 to 89,673, chiefly in graver cases. The registration and classification of known depredators was completed, and the system of recording finger prints was introduced, during the year.

Factories. There were six factories at work as in 1072. 2,076 hands, including 633 females, were employed at an average wage of $5\frac{1}{4}$ to 9 chuckrams per head per diem against 3 to 14 chuckrams in the previous year.

Criminal justice. Including 4 special Courts for the trial of European British subjects, there were 66 Courts exercising criminal jurisdiction against 67 in 1072. Together with arrears, there were 19,691 cases involving 48,239 persons for disposal by the magistracy against 18,756 cases with 47,078 persons in the previous year. There were 154 cases pending at the close of the year. 339 persons were committed for trial (16·73 per cent.) and 7,135 or 15·60 per cent. convicted, as compared with 296 (14·6 per cent.) and 6,202 (13·9 per cent.), respectively, in 1072. Of those convicted, 59·01 per cent. against 62·8 in the preceding year were punished with fine only. Excluding the time occupied in police investigation and the delay in securing the attendance of accused persons, the average duration of inquiries and trials was 21 and 8 days, respectively, as compared with 18 and 8 in 1072. Appeals for disposal, inclusive of arrears, by District Magistrates decreased from 802 affecting 1,558 persons to 756 affecting 1,478 persons, with a corresponding fall in average duration from 29 to 19 days. 58·98 per cent. of the appeals disposed of proved unsuccessful against 54·85 per cent. in 1072. There were 151 revision applications for disposal, of which the average duration rose from 62 to 101 days. In the Sessions Courts the original cases increased slightly from 142 to 149 cases involving 315 persons. 45·23 per cent. of the persons tried were convicted against 41·80 per cent. in 1072. Out of 157 cases for disposal, 11 remained in arrear; the average duration rose from 13 to 14 days. 223 appeals affecting 408 persons were received against 155 affecting 313 in 1072. Out of 234 cases all but 11 were disposed of as compared with 3 in the previous year. The percentages of confirmation, modifications and reversals were 54·89, 16·54 and 28·07 per cent. against 46·42, 31·15 and 21·18 per cent., respectively, in 1072. The average duration rose from 14 to 17 days. 12 cases were referred to the High Court for confirmation of sentence and 73 appeals against 64 were preferred; the percentage of confirmation declined from 72·84 to 56·65. The average duration of referred trials and appeals was 47 and 37 days, respectively, against 39 and 32 in 1072. 397 revision cases were disposed of against 314; in 85 the sentence or order was quashed, in 51 modified, and in 203 interference was refused.

Jails. There were, as in the previous year, one Central Jail at Trivandrum and two District Jails. 672 convicts were admitted into the Central Jail with 420 prisoners at the beginning of the year and 624 discharged, leaving 468 at the year's end; 24 juveniles were admitted, 550 were convicted for the first time, and 122 were old offenders. The average daily strength fell from 463·72 to 456·07. The percentage of punishment to average strength rose from 32·22 to 46·67, and of corporal punishment from ·96 to 18·93 owing to a serious riot among the convicts. Admissions into hospital and deaths rose from 208 and 14, respectively, to 326 and 19. The percentage of sick was 2·65 against 2·22 in 1072. The total cost of the department was Rs. 58,350 against Rs. 45,463 in 1072. The cost per convict in the Central Jail rose from Rs. 84 to Rs. 106. The Prisons' Regulation was in force in the Central Jail. Steps were taken to introduce the remission and finger-print systems. Extramural labour was stopped and other reforms instituted.

Civil justice. There were 27 civil tribunals against 26 in the previous year, a new itinerant munsif's court having been created as a tentative measure. Institutions rose from 36,033 to 43,186—19·85 per cent. The increase was due to the operation of Janmi and Kudiyan Regulations, the progress of the settlement, extension of credit transactions and the rise of agricultural prices. Out of 50,814 suits, 39,358 were

disposed of, or an increase of 11·54 per cent. over the previous year. Arrears rose from 6,689 to 11,456. Institutions in the regular munsifs' courts numbered 41,912 (26,511 ordinary and 15,401 small causes) against 34,963 in 1072. Of the total for disposal 22,791 ordinary suits and 15,303 small causes were disposed of, the average per munsif being 2,082 suits against 1,878 in the previous year. The district courts had 1,767 suits and 2,292 appeals for disposal against 1,477 and 2,229; disposals were 1,264 and 1,902, respectively, against 1,036 and 1,835 in 1072. Arrears rose from 441 to 593 under suits and fell from 394 to 390 under appeals. The number of first and second appeals for disposal by the High Court was 383 and 434, respectively, as compared with 409 and 511 in the previous year. Of these, 298 first and 372 second appeals were disposed of against 324 and 450 in 1072; arrears remained stationary. The percentage of confirmation of Zillah Judges' decisions by the High Court decreased from 62·05 to 56·54 in first, and from 73·15 to 61·50 in second appeals. The receipts and charges under civil justice were Rs. 5,66,979 and Rs. 2,93,118, respectively, giving a surplus of Rs. 2,73,861 as compared with Rs. 2,12,946 in 1072; the charges for criminal justice were Rs. 1,76,029 and the receipts Rs. 34,303. The total net surplus under law and justice was, therefore, Rs. 1,32,135.

Registration.

There were 45 registration offices as in the previous year. The total number of documents presented for registration rose from 130,097 to 151,656, with a corresponding increase in the aggregate value of the transactions from Rs. 2,69,85,143 to Rs. 2,91,88,853. 94·9 per cent. against 95·7 in 1072 was registered on the day of presentation; registration was refused in 515 cases against 389 in the previous year. In ·8 per cent. of the total number of cases, registration was delayed over a week. Out of 151,779 documents (including arrears) for registration, 150,392 were registered, 135 refused *in toto*, 34 returned unregistered at parties' request, leaving 1,218 pending. The receipts and charges of the department were Rs. 2,31,787 and Rs. 99,440 against Rs. 2,08,748 and Rs. 99,059, respectively, in 1072. The surplus rose from Rs. 1,09,689 to Rs. 1,32,347.

Forests.

The establishment was increased by 34 hands. Five tracts, with a total area of 163 square miles, were gazetted for reservation. The Cardamom Hills and the Pallode Reserves, area 336 and 50 square miles, respectively, were finally constituted reserves. 26 reserves, including 3 fuel reserves, were surveyed and demarcated. The total area of reserved forest rose from 997 to 2,096 square miles, and that of reserved lands from 798 to 1,824 square miles. The Perunthode teak plantation was also surveyed. The total area under teak was 1,378·16 acres. The receipts were Rs. 4,22,344 against Rs. 4,37,127 in 1072, a decrease of Rs. 14,783. Expenditure rose from Rs. 2,31,769 to Rs. 2,89,984. In the cardamom branch, receipts rose by Rs. 29,107, from Rs. 80,374 to Rs. 1,09,481, chiefly by increased sale-proceeds of cardamoms. 6,000 acres of fresh land were granted for cardamom cultivation. Expenditure decreased from Rs. 64,343 to Rs. 55,667, giving net receipts of Rs. 62,597 against Rs. 27,472 in 1072.

Trade.

Excluding Government transactions and internal trade, the external trade of the country was valued at Rs. 2,36,14,516, a decrease of Rs. 11,83,584 as compared with 1072. Of this total, exports amounted to Rs. 1,44,55,893 or 61·2 per cent., and imports to Rs. 91,58,623 or 38·8 per cent. against 59·2 and 40·8 per cent., respectively, in the previous year. There was an increase in the value of copra, cocoanut-oil, fibre and cocoanuts and cardamoms exported; coffee, jaggery, pepper and tea declined. Imports decreased except piece-goods, paddy and tobacco. 86·04 per cent. of the trade was with British India and 10·6 with Ceylon.

Public works.

The outlay by the Chief Engineer's department was Rs. 19,79,420 and by the Maramat department Rs. 3,89,247—a total of Rs. 23,68,667 against Rs. 21,27,737 in 1072. The percentage of expenditure to total revenue was 26·48. Operations were in progress for the construction of a road to the high range in the northern division; Rs. 84,302 were expended on famine relief-works, chiefly roads. 4 miles of the Trivandrum Streets were lit with incandescent gas. 8·13 lakhs were spent on communications, 3·80 on buildings, 3·68 on irrigation and 1·25 on miscellaneous works. The corresponding figures for 1072 were 6·99, 3·41, 2·70 and ·52 lakhs, respectively. 2,007 miles of cart roads were maintained against 2,005 in

the previous year. The cost of the establishment was Rs. 2,17,859 or 11 per cent. of the expenditure as compared with 11·98 per cent. in 1072. The excavation of the main dam foundation in the Kotayar project was completed and progress was made with a number of works subsidiary thereto.

Postal department.

There were at the end of 1073, 95 offices and 127 letter-boxes against 86 offices and 126 boxes at the end of 1072. The number of covers carried rose from 2,337,180 to 2,560,581—an increase of 112,672 private and 110,729 official covers. The aggregate receipts from private covers declined from Rs. 57,525 to Rs. 57,117. Including postage on official covers (Rs. 2,24,124), the total receipts were Rs. 2,81,241 against Rs. 2,53,356 in 1072. Deducting postal and transit establishment charges (Rs. 75,352) the net earnings were Rs. 2,05,889, an increase of Rs. 27,888 over the previous year. The length of mail communication rose from 840½ to 850 miles.

Salt.

During the year 115,709 maunds of salt were manufactured locally, an increase of 12,409 maunds due chiefly to favourable season. Out of 430,161 maunds available for sale, 259,950 maunds were sold. Out of 422,000 maunds of Bombay salt contracted for, 371,722 maunds were actually delivered; the total quantity of foreign salt available was 527,967 maunds, of which 385,434 were sold. The gross receipts were Rs. 19,76,789 against Rs. 18,99,618 in 1072. The charges were Rs. 3,55,591, and the net revenue rose from Rs. 15,56,006 to Rs. 16,21,198. The consumption of salt per head of population rose from 19·4 lb. to 20·2 lb.

Stamps.

The total stamp revenue was Rs. 3,57,484 against Rs. 3,56,213 in 1072. Charges increased from Rs. 16,548 to Rs. 34,447. The net revenue was Rs. 3,23,037 against Rs. 3,39,664 in the previous year.

Excise and customs.

The consumption of tobacco rose from 10,552 to 10,844 candies, and the total receipts from Rs. 9,75,216 to Rs. 10,02,567. The importation of confected tobacco from Tinnevelly ceased owing to the duty thereon being equalized with that on Tinnevelly dry tobacco. The total revenue from abkári, opium and bhang increased from Rs. 6,35,398 to Rs. 6,72,644. The excise system was introduced experimentally in the Trivandrum taluk, the privilege of manufacture and supply of arrack being disposed of by tender, and that of sale by auction; shops in the town were sold separately, the rest of the taluk being sold as one vend area. The net revenue of the taluk rose by 22·2 per cent. from Rs. 37,190 to Rs. 45,466. The net revenue from customs rose from Rs. 5,96,243 to Rs. 6,00,005, the total revenue being Rs. 6,27,732 against Rs. 6,24,233 in 1072. Customs receipts were Rs. 5,86,085, 97 per cent. from exports and 3 per cent. from imports against 96 and 4 per cent., respectively, in 1072.

Financial.

Excluding debt heads, the total revenue was Rs. 89,20,565 and the expenditure Rs. 94,80,173 against Rs. 88,28,223 and Rs. 88,89,502, respectively, in the previous year. The deficit was Rs. 5,59,608 or Rs. 5,61,243 including debt heads. The closing balance, deducting the deficit, was Rs. 91,40,911, of which Rs. 68,02,441 was in Government securities, Rs. 3,35,997 in goods, Rs. 1,28,737 in fixed deposits and Rs. 18,73,736 in cash and floating deposits.

Medical.

The number of births registered was 39,069 or 15·3 per mille and of deaths 39,998 or 15·7 per mille of population, against 46,975 (18·4 per mille) and 38,180 (15·0 per mille) in 1072. Registration was probably imperfect in both. 151,895 cases were vaccinated, 6,062 being re-vaccinations. Of these, the percentage of successful cases was 85·09 against 85·38 in 1072. The total outturn of vaccinations decreased by 3,716 cases. The Medical department was re-organized; the strength of the staff was increased, and the subordinates re-graded, their salaries being improved. One permanent and one weekly dispensary were newly opened; 4 private and 14 native dispensaries were added to those aided by the State. Besides the Lunatic and Leper Asylums, the Central Jail hospital and two Maternity hospitals, there were as in 1072, 22 hospitals and 19 dispensaries. 11,494 in- and 360,697 out- patients were treated against 10,920 and 322,279, respectively, in 1072. Mortality among in-patients rose from 5·04 to 5·54 per cent. There were 24 midwives as in last year; they attended 360 cases against 432 in 1072. The inmates of the Lunatic and Leper Asylums numbered 122 and 269, respectively. The total

cost of the department, excluding buildings and furniture, rose from Rs. 2,26,924 to Rs. 2,53,687.

Conservancy. The Conservancy establishment was re-organized and strengthened. Expenditure on general sanitation rose from Rs. 42,030 to Rs. 54,564. Expenditure by Town committees declined from Rs. 57,396 to Rs. 54,132.

Education. Schools increased in number from 3,274 with 160,368 pupils in 1072 to 3,371 with 165,489 pupils in 1073. Government institutions increased by 26 in number and 2,704 in strength; private aided schools rose from 472 to 790, the increase being chiefly in Primary Vernacular schools; their strength was 43,216 against 26,626 in 1072. Private unaided schools decreased from 2,404 with 93,423 pupils to 2,157 with 79,178 pupils, a decrease due to the extension of aid by the State. There were 127,056 boys and 38,433 girls under instruction against 123,716 and 36,652 in the previous year, the total being 6·4 per cent. of the population or 41·1 per cent. of the population of school-going age in the case of boys, and 13·0 per cent. in the case of girls. These percentages for 1072 were 6·3, 40·1 and 12·4, respectively. Educational local boards were instituted during the year. The strength of His Highness the Maharaja's College, Trivandrum, rose from 133 to 160. Private Arts Colleges increased by one—English schools rose from 90 to 94. The strength of His Highness the Maharaja's High Schools for Girls rose slightly. The number of Government Training schools was increased by one. The total cost of the department rose to Rs. 3,98,114, an increase of Rs. 53,373. Receipts were Rs. 80,760 and the net cost, excluding buildings, &c., was Rs. 3,17,354. There were 24 boys in the Reformatory at the close of the year. The net expenditure was Rs. 2,459. In the Government Industrial School 15 apprentices continued on the rolls; the pupils of the Church Mission Society (aided) Industrial School rose from 18 to 24.

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## COCHIN STATE.

(15TH AUGUST 1897 TO 15TH AUGUST 1898, MALAYÁLAM YEAR 1073.)

General and political. The year was marked by the visit to Cochin of His Excellency Sir A. E. Havelock, Governor of Madras, accompanied by Lady Havelock, and staff. His Excellency's stay lasted from the 12th to the 16th October 1897. Formal visits were exchanged and a Darbar and a Levee were held. On 15th October His Excellency visited the important institutions at Ernakulam, and laid the foundation stone of the Victoria Public Library there, intended to be a memorial of Her Majesty the Queen's Diamond Jubilee. On 28th July 1898 His Highness the Raja was presented by the Resident with the insignia of Knight Commander of the Star of India.

Season and rainfall. The season was not very favourable to agriculture; the south-west monsoon was heavy, the north-east monsoon inadequate. The prices of food-grains ruled high during the first few months of the year in consequence of the scarcity prevailing in other parts of India. The yield of coffee improved, while that of tea declined. The public health was more satisfactory; cholera was less prevalent, but fevers increased slightly.

Land revenue. The current demand, including devaswoms, was Rs. 7,26,242, of which Rs. 7,22,191, or 99·5 per cent. was collected. Arrear demand aggregated Rs. 1,21,415, of which Rs. 44,630 were collected and Rs. 50,553 written off. Expenditure rose from Rs. 84,442 to Rs. 94,019. A revenue survey was begun during the year under the superintendence of an officer of the British service.

Legislation. No regulation of importance was actually passed, but several measures were advanced and others under contemplation.

Police. The actual strength of the force remained at 437, or 14 short of the sanctioned strength (451). The cost of the force increased slightly, new uniforms, &c., having been provided during the year. There were 35 casualties against 45 in 1072. Those due to death, desertion and discharge decreased, while resignations increased. 204 police officers were departmentally punished (1 Inspector being dismissed)

against 153 in the previous year. The increase appeared chiefly under "black marks," a system which proved useful; fines decreased. There were 87 criminal prosecutions against 41 in 1072; only one proved successful involving one head constable. 2,111 cases were reported to the police and 209 were pending investigation or trial at the beginning of the year; of these, 799 were referred as false and 198 remained undisposed of at its close. Of the cases charged and disposed of, the percentage of detection was 77·85 and of persons convicted 68·40, while the percentage of property recovered was 78·68. These figures show an increase in all respects over those of 1072, in which 1,732 cases were reported and the percentages of detection, conviction and recovery were 76·87, 65·14 and 60·29, respectively. The registration of known depredators was introduced during the year.

Criminal justice.

The number of cases received by the Magistracy was 4,616 involving 9,614 persons against 3,841 involving 7,643 persons in the previous year. 4,083 cases or 88·45 per cent. fell under the Penal Code. Arrears, however, increased by one, 28 against 27 cases at the close of 1072. 57·71 per cent. of the sentences of Subordinate Magistrates and 85·71 per cent. of those of District Magistrates were upheld in appeal. There was, in this respect, an improvement in quality of the work done as compared with M.E. 1072. 264 appeals were filed in the District Magistrates' Courts against 206 in the previous year; all were disposed of. Original cases before the Sessions Courts rose from 36 to 44 involving 127 persons; the percentage of conviction rose from 46 to 51·18. There were no arrears at the close of the year; the duration of sessions trials averaged 4 days in the Anjikaimal and 7 days in the Trichur Sessions Court against 7 and 8 days, respectively, in 1072. Tested by the appeal test, the quality of the work done deteriorated, the percentage of confirmation falling from 72·73 to 57·38. The Appeal Court had 26 appeals and 6 references for disposal; all were disposed of during the year. Including 12 applications for revision pending from the previous year, it had 59 such cases for disposal, all of which except 5 were disposed of. The percentage of confirmation in revision cases was 50·67 against 65·3 in 1072. The charges on account of criminal justice (Rs. 36,179) exceeded the receipts by Rs. 28,967.

Jails.

There were, as in the previous year, 1 central, and 7 subsidiary, jails. The average daily population rose from 158 to 212·07. Jail punishments fell from 46 to 13, the decrease was due to the improved supervision resulting from employment of convict maistries. The number of sick rose from 181 to 341. The number of convicts employed on extramural labour averaged daily 104·51 as against 83 in 1072. Discipline among the jail staff fell off, the offences numbering 115 against 90 in the previous year. Rs. 16,015 and Rs. 3,372 were expended on the central and subsidiary jails, respectively.

Civil justice.

Including the balance at the beginning of the year, there were 12,170 original suits for disposal against 10,022 in the previous year; 11,848 were disposed of, leaving a balance of 322 at the close against 340 in 1072. Both institutions and disposals increased. The Munsifs' Courts had for disposal 7,613 ordinary, and 3,971 small cause, suits as compared with 5,854 and 3,646 in 1072. There were 179 of the former and 13 of the latter pending at the close of the year. The percentage of appeals preferred to appealable decrees fell from 34·71 to 33·08, and that of decisions affirmed from 52·69 to 52·08. There was a slight fall in the average duration of ordinary suits and small causes. The Zillah Courts had 586 original suits for disposal against 522 in the previous year, of which 456 were disposed of, leaving a balance of 130 as in the last year. Appeals decreased from 62·20 per cent. of appealable decisions passed to 41·36 per cent., while the percentage of decisions affirmed rose from 54·26 to 63·71. The average duration of contested suits fell from 7 months and 9 days in 1072 to 5 months and 19 days in 1073. Out of a total of 609 appeals for disposal against 746 in the previous year, 580 were disposed of; arrears decreased from 42 to 29. The percentage of special appeals to appellate decrees of the Zillah Courts fell from 41·57 to 35·02, while the percentage of confirmation in such cases rose to 76·58 from 72·41 in 1072. The Appeal Court had in all 308 regular and special appeals for disposal as compared with 369 in 1072. 248 were disposed of, leaving 60 pending at the close of the year. The average duration of both classes of appeals together was 3 months and 21 days as against 4 months and 16 days in 1072. His Highness the Raja's Court had 26 appeals for

disposal, of which only 5 were decided, leaving 21 pending. The receipts and charges on account of civil justice were Rs. 1,29,498 and Rs. 66,090, respectively. Taking the deficit under criminal justice into account, the net surplus under "Law and Justice" was Rs. 34,440.

Registration.

Two additional offices were opened during the year; 30,067 documents against 29,374 in 1072 were registered. Optional registration increased by 5·9 per cent. The aggregate value of all classes of documents registered during the year was Rs. 1,09,96,694 against Rs. 1,00,13,918 in the previous year, an increase of 9·81 per cent. 99·45 per cent. was registered on the day of presentation, ·52 per cent. within a week and ·03 per cent. after a week; the corresponding figures for 1072 were 89·88, 3·78 and 6·34, respectively. The receipts and charges of the department were Rs. 43,657 and Rs. 23,668, giving a surplus of Rs. 19,989 against Rs. 16,791 in the previous year.

Forests.

The gross receipts under this head were Rs. 51,157 and the charges Rs. 42,430 as compared with Rs. 68,804 and Rs. 37,407 in 1072. The fall in revenue was due to diminished sale of timber, increased charges owing to the introduction of the contract system of felling and removing it, and to reduction of receipts under "minor forest produce." Four elephants were captured; none were sold during the year.

Trade.

Imports at Malipuram fell from Rs. 12,06,776 to Rs. 2,21,184, a decrease of 81·67 per cent. due to permission being granted to vessels to land goods directly at British Cochin. Exports rose in value from Rs. 12,91,775 to Rs. 14,95,656. The chief imports were cotton piece-goods, yarn and rice; the chief exports, coir, cotton twist, tea, spices and cocoanut-oil.

Public works.

The staff of the Maramat department was retained until the close of the year for the completion of works already undertaken by it, and for the preparation and adjustment of overdue completion bills. Treasury drawings on account of Public Works amounted to Rs. 6,23,613 against Rs. 5,25,280, an increase of Rs. 1,23,613 over the budget estimate of 5 lakhs. This was largely due to the adjustment of Maramat bills. There was, however, a large amount of refunds amounting to nearly 1·55 lakhs. Expenditure was distributed as follows: communications Rs. 2,25,852, buildings Rs. 2,68,335, irrigation Rs. 17,948, miscellaneous works Rs. 52,243, and establishment Rs. 58,860. 442 miles of road were maintained against 422 in the previous year.

Postal department.

The total number of articles carried increased from 376,823 to 459,773. The number of official and private letters rose from 213,042 and 160,746, respectively, to 260,261 and 195,410, and that of letters received from the British post from 3,035 to 4,102, the percentages of increase being 22·16, 21·56 and 35·15, respectively. The receipts of the department rose from Rs. 6,810 to Rs. 8,066 and disbursements from Rs. 10,787 to Rs. 12,023.

Salt.

The total quantity of salt sold increased from 160,151 maunds to 168,575 maunds, and the receipts to Rs. 5,10,145 from Rs. 5,00,030 in the preceding year. The average consumption per head of population was 19·18 lb. as against 18·25 lb. and 16·72 lb. in 1072 and 1071. The net revenue decreased by Rs. 9,189.

Stamps, excise and customs.

The revenue from stamps declined from Rs. 1,32,996 to Rs. 1,23,838; that from abkári was Rs. 1,42,185, a decrease of Rs. 14,289. The opium revenue was Rs. 28,471, showing a decrease of Rs. 10,812, chiefly due to the recovery in 1072 of Rs. 9,000, arrears for previous years. The customs collections were Rs. 4,668 against Rs. 4,350 in 1072. Including contributions from the British Government under the Interportal Trade Convention, the total customs revenue was Rs. 2,12,812.

Financial.

The total gross receipts of the year inlcuding debt heads amounted to Rs. 34,13,835, and the total gross expenditure to Rs. 33,56,112 as compared with Rs. 34,15,981 and Rs. 34,85,064, the corresponding figures for the previous year. Excluding, however, receipts and expenditure under debt heads as also that incurred in the purchase of Government of India promissory-notes, the transactions of the year showed a surplus of Rs. 1,30,604. The opening balance of the year was Rs. 7,99,178; the closing balance was Rs. 8,56,900. Including the amounts held

in Government of India promissory-notes, the year opened with a balance of Rs. 44,61,278 and closed with a balance of Rs. 46,19,000. The revision and re-organization of the whole system of accounts in the State was begun during the year by an officer whose services were lent by the Madras Government for the purpose. Considerable progress was made in winding up the old and introducing the new system.

Conservancy and sanitation

Nine towns as against 5 in the preceding year were conserved during the year. The total expenditure on conservancy and sanitation rose from Rs. 13,062 to Rs. 19,878.

Medical.

Two dispensaries were converted into hospitals during the year, giving a total of 7 hospitals and 5 dispensaries as against 5 and 7, respectively, in 1072. The number of in- and out-patients rose by 230 and 7,568, respectively; the mortality among the former increased from 248 or 9·4 per cent. to 318 or 11·1 per cent. Of the total number treated, 51 per cent. were male adults, 24 per cent. females and 25 per cent. children. Expenditure increased from Rs. 39,160 to Rs. 64,526. There were 23,649 vaccination operations against 23,282 in the preceding year; the percentage of success rose from 92 to 93·28. The expenditure on vaccination decreased from Rs. 4,489 to Rs. 4,195.

Education.

The total number of institutions increased from 1,020 to 1,042 and the number of scholars from 30,550 to 34,316. Government institutions increased by 8 or 13·33 per cent., while the number of pupils attending them rose by 1,002 or 18·34 per cent. While the number of aided schools fell from 122 to 112 with a corresponding decrease in the numbers of the pupils attending them, that of unaided institutions rose from 838 to 862 with 19,686 pupils against 16,349 in the previous year. Taking all classes of institutions together, there was an increase of 2·16 per cent. in the number of institutions and of 12·33 per cent. in the number of pupils. Of the total number of pupils, 24,852 were boys and 9,464 were girls. The proportion of pupils to the total population was 1 in 21·07 against 1 in 23·7 in 1072 as compared with the population of school-going age, the percentage under instruction was 45·8 in the case of boys and 17·5 in the case of girls against 42·2 and 14·1 in the previous year. Rs. 1,10,421 was spent on education as compared with Rs. 1,01,484 in 1072.

## GÓDÁVARI AGENCY. (1898-99.)

Season and health.

The season was, on the whole, favourable. In the Bhadráchalam taluk the registered quantity of rain was more than in last year, but less in the other three divisions. The quantity was, on the whole, less than in last year, but was up to the average. Early dry products yielded well—gingelly, ganti and chama. Tamarind also did well. There was an increase during the year in the birth-rate and a decrease in the death-rate: this was attributed to the favourable character of the season.

Boundary disputes.

The dispute between the muttadars of Birampalli and Musurumilli remained unsettled. The boundary between Cherla in the Central Provinces and Bhadráchalam taluk was surveyed and demarcated, but durable boundary pillars have yet to be erected.

Disturbances.

There were no disturbances during the year.

Police.

Seven cases against Police officers were filed in the Court of the Agency Deputy Magistrate. The cases resulted, two in conviction, two in discharge and acquittal, respectively. The others remained undisposed of at the date of report. Three cases against Police officers were filed in the Courts of Subordinate Magistrates. Conviction (for theft) was had in one case; one was compounded; one remained undisposed of.

Criminal justice.

There were altogether 553 criminal cases involving 1,222 persons as against 491 involving 1,869 persons in the previous year. 538 cases were disposed of, 426 persons being convicted. There were 10 appeals, of which 9 were disposed of.

374 original civil suits and 12 appeals were instituted during the year as against 295 and 11, respectively, in 1897-98. The total pendency decreased from 46 to 38. Civil justice.

Rupees 18,949 out of an allotment of Rs. 19,300 was utilized during the year, the bulk of the money being expended in opening new communications and repairing those already existing. Public works.

The current demand of the abkári revenue rose from Rs. 28,487 to Rs. 29,433. Of this, Rs. 28,745 was collected. The revenue from opium rents and license fees fell from Rs. 3,491 to Rs. 3,383. Abkári and opium.

There was an appreciable increase in the number of out-patients admitted at the three dispensaries in the agency. The total number of patients (in and out) treated at the Bhadráchalam hospital was 4,083 against 3,377 in 1897–98. At Chódavaramu the number of out-patients increased from 1,704 to 3,390. The number at Pólavaramu was 6,550 as against 6,172 in 1897–98. 6,371 cases were vaccinated during the year as against 5,895 in 1897–98. The percentage of successful cases fell from 67·005 to 56·55; hence the average cost per successful case rose from As. 9-6 to As. 11-4. The decrease was attributed partly to the inferior quality of the lymph supplied. Medical.

The total number of boys and girls on the rolls on 31st March 1899 was 1,565 and 460 against 1,593 and 432, respectively, in the preceding year. The number of pupils belonging to aboriginal tribes fell from 270 boys and 56 girls to 173 and 27, respectively. The decrease was attributed to the indifference of the Koyas and Reddis to the subject of education. The number of pupils found qualified for results grants was 689 against 519 in 1897–98. The receipts from fees were Rs. 787, and from results grants Rs. 2,775. Education.

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## VIZAGAPATAM AGENCY. (1898–99.)

The year was free from serious disturbance; but in the Jeypore taluk the Porojas, to get rid of the annoyance caused to them by the theft and blackmail practised by the Dombs, organised an attack on their houses, which they razed and destroyed in some 15 villages. No hurt, however, was caused to any one, and as the Assistant Superintendent of Police was promptly on the spot, the affair was nipped in the bud. The ring-leaders were arrested and punished with suitable terms of imprisonment. In January an attempt was made by a servant of the Maharaja of Jeypore to assassinate the Maharani during the Maharaja's absence from the fort. One Narayanasing Lal was convicted as abettor, but acquitted on appeal. Since the settlement of the principal disputes in the Madgole Agency that country has been fairly quiet, but its management by the Zamindarni of Madgole and her Diwan continued to be most unsatisfactory and to be a cause of constant disputes. The Khonds of Bissemkatak and Gunupur taluks gave less trouble in the year under report, but dacoities were committed in Rayaghada taluk by the Dombs from Khasipur State. The Bissemkatak and Payakapad estates continued under management. The suit, which was brought by the Bissemkatak estate for the resumption of the Kutragada mutta, was dismissed by the District Judge. General.

The rainfall during the year was below the average in all the taluks except Nowrangapur, Malkanagiri and Padwa. It was less than that of the last year in all stations. Crops consequently suffered somewhat. The public health was generally good. There were no deaths from cholera. Small-pox appeared in almost all the divisions. Season and public health.

No work was done on the settlement and demarcation of the boundary between Jeypore and the neighbouring States in the Central Provinces. Disputes continued to occur between the Jeypore and Bastar people. In the Sowrah Hills of the Gunupur division there arose a boundary dispute between the villages of Boddidi in the Parlákimedi Hills and Tada in Jeypore. Boundary disputes.

Criminal justice. The total number of cases received (1,867) during the year showed a decrease of 180 as compared with last year's figure. The number of cases pending at the end of the year increased from 40 to 68, the highest pendency being in the Jeypore Court. There was an increase of 15 in the number of appeals received during the year, chiefly in the agent's Court. Only one appeal was pending at the end of the year.

Civil justice. The number of suits (433) instituted during the year fell by 83, the decrease being chiefly in the Courts of Gunupur and Malkanagiri. The number of suits pending at the end of the year decreased from 144 to 76. The total number of appeals for disposal, including 8 pending at the beginning of the year, was 49 against 28 in the previous year, of which 40 were disposed of, leaving 9 pending at the end of the year against 8 in the previous year.

Police. The conduct of the police was fair on the whole, but complaints of the abuse of their position were not infrequent. Two constables were tried by the Special Assistant Agent for murder and extortion. They were convicted of extortion and acquitted of the graver offence, but, on appeal, were acquitted for want of evidence.

Wild beasts. 60 persons were killed by wild beasts during the year against 78 in the previous year. The amount paid as rewards amounted to Rs. 4,884 against Rs. 4,782 in the previous year.

Forests. The forests of the Jeypore and Vizianagram estates were worked under the Forest Act and the rules framed thereunder.

Public works. The grant for the year (including contributions from the Maharaja of Jeypore and the Zamindar of Kurupamu) was Rs. 56,250. This was supplemented by Rs. 3,655, the unspent balance at the end of 1897–98 thus making up a total of Rs. 59,905. Of this, Rs. 58,239 were actually spent during the year; Rs. 10,737 on new roads and Rs. 32,763 on the maintenance of existing ones—the chief items being Rs. 3,085 on the Rayaghada-Komatlapet road, Rs. 2,442 on the Petta Ghat and Rs. 2,075 on the Jeypore-Borigumma. The Deputy Tahsildar's office at Rayaghada was extended, and the officials' quarters at Padwa re-built; rest-houses were constructed at Kilagada, Kodinga and Matchiput. During the year the Maharaja of Jeypore offered a lakh and-a-half for bridging the Kolab and Indravati rivers.

Abkári. The Gunupur farm was leased at an enhanced rental of Rs. 60,000. Of the total demand, Rs. 57,400 were collected during the year and the balance subsequently. A sum of Rs. 3,408 outstanding at the beginning of the year was collected during the year. The Abkári revenue of the Agency tracts, other than the Gunupur farm and 30 Agency villages to which Act I of 1886 was extended, was managed under the amani system, each shop being leased out separately for a lump sum. The demand of the amani taluks amounted to Rs. 74,497 against Rs. 71,162 in the previous year. The whole of the demand, except Rs. 54, was collected during the year and the balance subsequently. Of the sum of Rs. 4,957 outstanding at the beginning of the year, Rs. 1,366 were collected and the balance of Rs. 3,591 written off the accounts as irrecoverable.

Opium. The monopoly of the supply of opium to the Agency tracts was let out on tender, the rental being Rs. 20,125 against Rs. 19,511 in the previous year. 93 licenses were issued during the year under report against 97 in the previous year, the decrease being due to the closure of 4 shops. The demand of the shops sold and assigned on fixed fees was Rs. 21,495 against Rs. 22,253 in the previous year. The decrease occurred principally in the taluks of Jeypore, Koraput and Golgonda and was due to reckless bidding, resulting in loss. The total demand of the year on account of both the supply and vend monopolies was Rs. 41,620 against Rs. 41,764 in the previous year. Of this, Rs. 40,869 were collected within the close of the year and Rs. 700 subsequently. A sum of Rs. 981 outstanding at the beginning of the year was also collected during the year. The total quantity consumed during the year amounted to 7,762 lb. against 7,712 lb. in the previous year.

Medical. The number of hospitals was the same as in the previous year. The numbers of in- and of out-patients were 395 and 38,745, respectively, against 365 and

38,618 in the previous year. 24,947 cases were vaccinated, of which 21,623 were successful, the corresponding figures for last year being 19,781 and 18,306. The percentage of successful cases was 86·6 against 93·04 in 1897–98. The smaller percentage was due to the deterioration of the lymph in carriage to remote parts of the Agency.

Sanitation. No establishments for the conservancy of the outlying stations were entertained from Provincial funds since October 1896. The Maharaja of Jeypore and the heads of Nowrangapur estate maintained conservancy establishments at Gunupur, Jeypore and Nowrangapur.

Education. The number of schools at the close of the year was 178 against 176 in the previous year. The number of salary-result schools was the same as in the previous year. The number of pupils on the rolls rose from 3,600 to 3,626. The number of pupils belonging to aboriginal tribes rose from 481 to 862. The Agency officers visited 45 schools against 41 in the previous year, and Educational officers of all grades examined 150 schools against 123 in the previous year. Of the 1,782 pupils presented for examination, 1,285 were found qualified for grants against 1,630 and 1,189 in the previous year. The amount paid in the shape of grants increased from Rs. 3,963 to Rs. 8,986.

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## GANJÁM AGENCY. (1898–99.)

Births and deaths. Births and deaths are not registered in the Agency tracts.

Criminal justice—(a) Origin cases. 300 cases affecting 758 persons were dealt with during the year against 375 cases with 878 persons of the year before. Of these, 288 cases involving 743 persons were disposed of in the year against 362 cases with 814 persons of 1897–98. No capital sentence was passed on any person during the year.

(b) Criminal appeals. Four appeals were instituted in the year against 15 of the year before.

Civil justice—(a) Original cases. 117 suits came up for disposal in the year under report against 158 suits of last year. Of these, 96 were disposed of and 21 remained pending at the close of the year against 133 and 25, respectively, of 1897–98.

(b) Civil appeals. Five appeals were filed during the year against six of the year before. All were disposed of within the year.

Medical aid. 98 in- and 1,580 out-patients were treated in the hospital at Balliguda as against 107 and 972, respectively, in 1897–98; at Goomsur 47 in- and 3,877 out-patients as against 50 and 5,184 in 1897–98; the decrease was attributed to the incompetence of the Hospital Assistant; at Ramagiri there were 117 in- and 4,851 out-patients against 97 and 3,860 in the previous year.

Vaccination. Out of 20,029 cases vaccinated, 18,115 were successful, the figures for the previous year being 16,373 and 13,372 for vaccinated and successful cases, respectively: there has been a considerable increase in the work under this head especially in the Special Assistant Agent's charge. The average cost of each successful case was As. 2–8 against As. 3–6 in the previous year.

Education. In the Principal Assistant Agent's division, there were one lower secondary and ten upper primary schools on salary system as last year. There were 49 boys and 11 girls in the lower secondary school and 313 boys and 59 girls in the upper primary schools on the rolls. The aggregate number of pupils at the end of the year was 362 boys and 70 girls against 367 boys and 83 girls of the year before. There were, further, seven lower primary schools aided by Government on result system. The average daily attendance ranged from 37 to 6. A sum of Rs. 1,113 was earned as results-grants against Rs. 1,007 of last year. In the Special Assistant Agent's division, there were 41 upper primary, and 3 lower primary, schools on salary system with 1,303 boys and 26 girls in the former and 96 boys and 10 girls in the latter, aggregating in all 1,399 boys and 36 girls on the rolls at the end of the year. The average daily attendance in the upper primary schools ranged from 65 to 9 and in the lower primary from 49 to 17. The amount of results-grants earned in

the salary-result schools was Rs. 3,338. There were also 5 upper primary and 41 lower primary schools aided, and 14 lower primary schools unaided, by Government with an aggregate number of 1,128 boys and 23 girls on the rolls. Rs. 1,603 was earned as result grants. The total number of boys and girls on 31st March 1899 was 3,076 and 144, respectively, against 3,235 boys and 198 girls of last year. Of these, 1,098 boys and 9 girls belonged to aboriginal races.

Public works. The allotment sanctioned for Civil works in the Agency during the year was Rs. 23,000. With the exception of Rs. 200 in the Senior Assistant Agent's division, the whole allotment was expended—Rs. 5,440 on new works, Rs. 3,674 on repairs to buildings and Rs. 13,243 on repairs to communications.

Abkári and opium. In the year under report, 85 shops were put up to auction for an annual rental of Rs. 10,310 against 80 shops for Rs. 8,992 in the previous year. The increase in the number of shops was due to the opening of new shops in Ramagiri taluk. There were 33 convictions under the Abkári Act during the year. The three low country farms containing 122 Agency villages in the Parlákimedi Agency were repeatedly put up to auction, but failed to elicit a bid. The two shops at Udayagiri and Tickaballi were sold for Rs. 2,490 as against Rs 3,155 for last year. Only 501 lb. 26½ tolas were sold as against 709 lb. 9 tolas for last year. There were no convictions under the Act.

Demand, collection and balance of all sources of revenue. Out of a total demand under all sources of Rs. 16,348, Rs. 16,125 was collected, leaving an outstanding balance of Rs. 223 at the end of the year, of which Rs. 222 related to opium. The entire balances were subsequently collected and adjusted.

Wild animals. The number of wild animals killed and the amount of rewards paid were 80 and Rs. 1,249, respectively, against 104 and Rs. 1,993 of 1897–98. The number of persons and cattle killed was 52 and 9, respectively, against 48 and 21 of last year.

Boundary disputes. The demarcation of the boundary between the ordinary and Agency tracts of Goomsur was finally approved of by Government, and the boundary as demarcated confirmed during January 1899. The remainder of the boundary was settled by the Special Assistant Agent during the year, except for a short distance in the Pondakhole Agency. The settlement of the boundary between Peddakimedi and Chinnakimedi maliahs was also completed. The dispute between Chinnakimedi and Boad has not yet been settled. The boundary between Serango and Nuagada was finally demarcated during the year.

Hill chiefs. Government having sanctioned the appointment of Ogathu (a minor) as the Bissoyi of Jiranghi in Parlákimedi maliahs, one Bonavaso Bodokohoro was appointed to act during his minority. In the Tumba mutta, the villages of Ittigam and Sirdapur remained under attachment owing to the failure of the Bissoyi to pay up the arrears of kattubadi due from him. The hill mutta attached to the zamindari of Peddakimedi was attached under the orders of Government, as it was not deemed desirable that it should be handed over to the zamindar, so long as Ramagiri affairs remained unsettled. The opposition of certain molikos of Ramagiri mutta to the Patro having become so acute as to threaten disturbance, four ring-leaders were arrested and deported from the Agency. The Bissoyi of Lavanyakota having mortgaged certain of his lands to an outsider, a serious fracas took place. There was some discontent in the Ronaba mutta, where there is a faction opposed to the minor chief.

State prisoners. Raghunatha Patro of Bodogodo remained during the year under police surveillance. Four naiks of Ramagiri were confined as State prisoners in the Russellkonda and Berhampur jails. Two were released on 27th March 1899.

Disturbances. There were no disturbances this year. In December trouble threatened on the Boad frontier at Komonkhole owing to the Boad Raja's servants having made an incursion across the border. The Assistant Superintendent of Police and a few constables visited the spot and remained there until the Bengal authorities were communicated with and the crops harvested. In March a fight was imminent between two muttas of Kamangia and Gandangia near Balliguda over a land dispute. The ownership of the land was decided eventually by a civil suit without disturbance.

A sum of Rs. 10 was realized on account of sale-proceeds of unclaimed timber lying in the Parlákimedi forests, and Rs. 941 was expended on account of upkeep of the preventive establishment. There were 47 forest cases against 65 of the year before. A permit-issuing establishment was maintained for the Tumba forests from September 1898. Rs. 300 was realized, the yearly charges amounting to Rs. 100. Forests.

The season was, on the whole, favourable this year. In the Special Assistant Agent's division the rainfall generally was abundant, but there was a slight deficiency in some villages of the Bodogodo and Chandragiri muttas The outturn of paddy generally was average. The mango crop was poor, but mohuva and tamarind yielded well. Wheat was grown in some places of Ramagiri taluk. Small-pox was prevalent in the Special Assistant Agent's division at the commencement of the year. One or two slight local outbreaks have since occurred. Cattle disease was also rife during the earlier part of the year. There was no cholera. Season and crops and epidemics.

The conduct of the Police was not altogether satisfactory. One Police officer was convicted under sections 197 and 218, Indian Penal Code, two for making a false claim and attempting to cheat, respectively, one for allowing a prisoner to escape. Other misdemeanours on the part of Police officers were dealt with departmentally. Police.

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## PUDUKKÓTTAI STATE.

(FASLI 1308—JULY 1898 TO JUNE 1899.)

In November 1898 His Highness the Rája returned from his visit to England. The office of Dewan was held by M.R.Ry. R. Vedantacharlu Avargal, F.M.U., until January 1899. It was filled temporarily by M.R.Ry. Vijia Raghunatha Durai Rája Avargal, B.A., Councillor, up to 18th February, when M.R.Ry. Dewan Bahadur S. Venkata Rama Das Nayudu took up the appointment. In February 1899 His Highness the Rája was invested with full powers of administration on certain minor conditions. His Excellency Sir Arthur Havelock, G.C.M.G., G.C.I.E., Governor of Madras, visited Pudukkóttai State during the same month. General and political.

The season was favourable for agricultural operations; the average rainfall was 45·59 inches against 27·36 in fasli 1307. Fever, cholera and small-pox prevailed throughout the State. The latter disease increased considerably owing in part to the aversion of the people to vaccination which they confounded with inoculation against plague. Season and public health.

The total land revenue demand rose from Rs. 6,72,450 to Rs. 7,18,249, and the percentage of collection from 90·96 to 93·26. Arrears of land revenue and quit-rent were reduced from Rs. 1,46,805 to Rs. 1,30,788. Land revenue.

The outturn of survey work was 150 square miles against 200 in fasli 1307, and the expenditure on the operations, establishment, &c., charges was Rs. 28,330 against Rs. 38,912 in the previous year. Owing to financial pressure, settlement operations were postponed until the completion of the survey. Revenue survey and settlement.

Three regulations were passed, viz., No. I of 1898 (Pudukkóttai Sanitary Regulation), No. I of 1899 (Indian Penal Code Amendment Regulation) and No. II of 1899 (Post Office Amendment Regulation). Legislation.

1,263 cases of all kinds were reported against 1,388 in the previous year. The percentage of detection fell from 92 to 91 and that of convictions from 56 to 53. Police.

The total file of the magistracy was 2,787 cases involving 4,762 persons against 3,368 cases with 6,127 persons in 1307. 2,727 were disposed of. 86 criminal appeals came before the Chief Magistrate; all of which were disposed of. The Sessions Court disposed of the 6 appeals before it, and of 18 appeals to the Chief Court, only 2 remained pending. One criminal revision petition out of 38 was left undisposed of by the Chief Magistrate and 12 out of 76 by the Chief Court at the close of the year. Criminal justice.

The number of sub-jails was reduced from 8 to 5. The average of daily sick in the Central Jail was 3·2 against 5·5 in 1307. Admissions and releases numbered 763 and 769, respectively. Jails.

Civil justice. There were, for disposal, 1,416 regular suits and 1,074 small causes; 1,264 of the former and 1,020 of the latter were disposed of—a total decrease in disposals of 536 suits as compared with the previous year. 36 appeals out of 140 were left in arrear against 40 in fasli 1307. The outturn of work, both original and appellate, by the Chief Court was poor.

Registration. Registrations fell by 4·8 per cent. (from 23,549 to 22,417), but the value of the transactions rose by 4·4 per cent. (from Rs. 25,49,248 to Rs. 26,52,433). The system of taking the thumb-prints of the parties executing documents worked well. Receipts amounted to Rs. 26,130 and expenditure to Rs. 18,618 against Rs. 28,160 and Rs. 18,767 in the previous year.

Public works. The engineer appointed by the Darbar entered on his duties in March 1899. Rs. 1,12,869 was expended on public works against Rs. 1,57,672 in fasli 1307.

Financial. The year opened with a balance of Rs. 95,441 in cash and Rs. 4,00,000 in Government securities; receipts amounted to Rs. 13,39,840 and expenditure to Rs. 11,45,904, leaving a closing balance of Rs. 6,89,377. The "Amanat fund" was closed during the year and, so far as the information available allowed, the items composing it were transferred to the general treasury account.

Abkári. The total demand rose from Rs. 59,994 to Rs. 61,892, of which all but Rs. 4,299 or 7 per cent. was collected. Arrears were reduced by Rs. 491.

Medical. The number of persons treated in the Pudukkóttai hospital fell from 33,350 to 27,233 owing to the plague scare. The total cost of the department fell from Rs. 25,127 to Rs. 20,462. Only 5,531 persons were vaccinated against 10,258 in 1307. The percentage of success rose from 92·7 to 95·1.

Education. Taking all classes of schools together, there was a decrease of 13 schools and 749 pupils; 6 additional girls' schools, however, were opened.

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## BANGANAPALLE. (1898–99.)

Season and public health. The rainfall was abundant and seasonable and the harvests were good. A rain-gauge was established at Banganapalle. The public health was good. There was an increase of 17 per cent. in the birth-rate, while the death-rate showed a decrease of 45 per cent., which was greatly due to the entire absence of cholera during the year.

Land revenue—arrears. Of the arrear balance of Rs. 1,48,575 relating to the Nawab's villages, only Rs. 54,194 or about 37 per cent. was collected. The collections in the case of the arrears due to the sub-jághirdárs were still poorer. In both cases there were difficulties in collection owing to the inability of the defaulters to pay their dues.

Land revenue—current. The settled demand appertaining to the Nawab's own villages was Rs. 85,905 under land revenue and Rs. 45,889 under other heads, giving a total of Rs. 1,31,794, showing an increase of Rs. 1,632 as compared with the previous year. There was a decrease of Rs. 5,649 as compared with the previous year under land revenue, but the other sources showed more than a corresponding increase (Rs. 7,281). Of the land revenue demand, over 81 per cent. was collected during the year. Considerable improvement was also shown in collection under other sources, which amounted to 78 per cent. of the demand. The total balance under all the items was Rs. 23,798. As regards the sub-jághirs, the aggregate demand was Rs. 86,500 under land revenue and Rs. 3,658 under other sources and the collections were Rs. 82,000 and Rs. 3,483, leaving a balance of Rs. 4,500 and Rs. 175 or 6 and 5 per cent., respectively.

Survey. An estimate for Rs. 48,000 for the survey of the entire State was received from the Superintendent of Survey, Madras, and requisite arrangements were made for carrying on the operations.

Cultivation.

The total extent of sirkar and sub-jághir lands under cultivation was 44,040 acres, the principal crops raised being cholam, cotton and korra. This area was shown in one place as cultivable, in another as cultivated and in a third as occupied. It is therefore not clear which extent the figure actually represented. The total area of sirkar and inám lands that were cultivated or cultivable is only 73,600 acres or 115 square miles which is but 42 per cent. of the entire area of the State. The sirkar lands proper under cultivation were only 22,480 acres, while the ináms comprised 29,560 acres.

Prices and wages.

The year being one of plenty and having succeeded a season of severe distress, there was a marked fall in prices as compared with the previous year, and the wages of labourers rose owing to the increased demand for labour in connection with agricultural operations, &c.

Police and jails.

The Jail and Police Acts were revised during the year. Great improvement was effected in the Police department. A retired First-class Inspector was appointed as the head of the department and 3 head constables were newly entertained, and the number of constables was augmented by 8. It was also contemplated to supply uniform to the constables. The State Police had made considerable progress in drill. Some of the policemen entertained were pensioners under the British Government. A school was also established for the education of the force. The number on the K.D. register fell from 39 to 25. No new names were added to the list during the year.

Criminal justice.

Including 1 case which was pending at the beginning of 1898–99, 31 cases were brought to trial, of which 30 were disposed of. The average duration of each case rose from 8 to 10 days. In the Magistrate's Court 259 cases (including the 13 cases pending at the beginning of the year) came up for disposal, and of these 250 were disposed of, the average pendency of each case being 9 days against 10 in the previous year. The Magistrate exercises the following powers: (1) imprisonment for a term not exceeding one year; (2) fine up to a limit of Rs. 500; and (3) whipping (12 stripes).

Civil justice.

Ten original and seven appeal cases were filed and 17 cases were disposed of during the year. The average pendency of each case was 12 days against 11 in the previous year, and the value of the property involved was Rs. 19,348 against Rs. 2,185. No mention was made of the Amin's Court in the report for 1897–98, but the figures relating to it were included in that report with those appertaining to the Adalat Court. Of the 152 cases filed in the Adalat Court (against 95 in the previous year), 131 were original and 21 were appeal cases, the value of the property involved being Rs. 9,703 against Rs. 12,919. This value probably included the value of the property concerned in the appeal cases also. There was a slight decrease in the average duration of each case in both the Courts. 12 revenue cases (against 4 of the previous year) were filed in the Huzur Cutcherry, and the Tahsildar had 42 cases (against 37) for disposal, including 2 which were pending at the beginning of the year; all the cases in both the offices were disposed of.

Registration.

132 instruments of the aggregate value of Rs. 17,738 were registered during the year against 86 instruments involving property valued at Rs. 12,002. The increase was attributed to the favourable character of the season.

Public works.

Nearly the whole of the allotment of Rs. 26,500 provided in the budget under this head was utilized, Rs. 1,100 on irrigation works, Rs. 15,600 on repairs to roads and Rs. 8,900 on repairs to, and construction of, buildings.

Postal.

The postal transactions during the year showed an increase both in number and value as compared with the previous year under every item. A general agreement was come to as to the conditions which should regulate the introduction of the Imperial post into the State.

Financial.

The total revenue plus the opening balance in the treasury amounted to Rs. 1,62,825. The charges were Rs. 1,60,668, thus leaving a closing balance of Rs. 2,157. The corresponding figures for 1897–98 were Rs. 1,11,305, and Rs. 1,10,670

under receipts and expenditure, with a balance of Rs. 635. The expenditure on Nawab's household was Rs. 70,315, and Rs. 47,353 were spent on administration and public works. The sums expended on repayment of loan and the Nawab's trip to Kurnool amounted to Rs. 43,000.

**Sanitary.** Measures for the prevention of plague appear to have been adopted. Plague sheds were constructed and a staff appointed at Pasupala and Nandivargam on the borders of the State on the high roads leading to the Banganapalle territory from the Pattikonda (infected) and Nandyál taluks.

**Medical.** 12,907 patients were admitted into the hospital against 12,670 in the previous year. The mortality (35) in the hospital seems very high especially in view of the fact that cholera never broke out in the State during the year. It was attributed to the prevalence of a serious type of influenza in epidemic form. The construction of the in-patient wards was pressed on and was approaching completion at the date of report. The results of the vaccine operations were slightly better than those of the previous year.

**Education.** The number of Telugu schools increased from 18 to 20 and the number of pupils from 671 to 780. The post of Inspector of schools was not filled up during the year. The Nawab's eldest son arrived at Kurnool for education and training and was placed under the charge of an efficient tutor.

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## SANDURU. (1898–99.)

**General and political.** The State continued to be managed as usual by an Administrator and a Diwan with a clerical staff. Reforms were introduced into the Administrator's office and into the village account system.

**Season and crops.** The season in 1898–99 was not as it should be. The rainfall, though not scanty, was unevenly distributed. The rainfall amounted in all to 30·31 inches. For want of seasonable rain, however, many lands which should have been sown in June were sown late in July. The fall in August was quite insufficient to mature the standing crops. In consequence, the cholam, sajja and korra crops suffered considerably. The prices of food-grains and other articles of consumption grew easier as the year advanced. Water-supply was not abundant, but was sufficient for drinking and irrigation purposes.

**Police.** The Police force consisted of 1 Inspector, 4 head constables and 25 constables with four stations, each in charge of a head constable. Out of 26 cases reported, 6 were struck off as false and 15 cases tried, of which 10 ended in conviction and 5 in acquittal or discharge. Crime was not on the increase. There were 3 dacoities, in 2 of which convictions were secured.

**Criminal justice.** The Diwan's Court was the only one which worked during the year. It disposed of 156 cases as against 161 in the previous year. The average duration of cases from date of complaint to date of disposal and the average duration of trials were 9·88 and 1·20 as against 43 and 1·35, respectively, of the preceding year.

**Civil justice.** The Diwan's Civil Court was the only one in existence. It disposed of 58 cases. The average duration of trials was 1·58 as against 6·73 days of the preceding year. The average duration from date of institution to date of disposal was 116·71 or 105·81 days less than that of 1897–98.

**Forests.** 40,000 acres of "forest" were leased to the British Government for an annual rental of Rs. 10,000. 46,932 acres were retained under State management. They yielded in the year under report a revenue of Rs. 2,519 and cost Rs. 1,355.

The following statement shows the financial position :— Financial

| | 1897-98. | 1898-99. | | 1899-1900. |
|---|---|---|---|---|
| | Actuals. | Budget | Actuals. | Budget. |
| | Rs. | Rs. | Rs. | Rs. |
| Opening balance | 13,404 | 9,052 | 9,052 | 13,594 |
| Receipts .. ... .. .. ... | 52,872 | 53,699 | * 53,930 | 52,920 |
| Expenditure ... ... ... . | 57,224 | 51,981 | * 49,388 | 51,109 |
| Surplus (+), deficit (−) ... | − 4,352 | + 1,718 | + 4,542 | + 1,811 |
| Closing balance .. | 9,052 | 10,770 | 13,594 | 15,405 |

* The figures for receipts and charges include the items under "debt heads."

Exclusive of the opening balance and the items under "debt heads," the actual receipts amounted to Rs. 50,707 as against an estimate of Rs. 50,511 and the actuals of the preceding year Rs. 46,630. The difference between the actuals was due to short collections in 1897–98 on account of the famine. The actual charges amounted to Rs. 41,615 or Rs. 1,848 less than the estimate and Rs. 5,219 less than the actuals of 1897–98. The saving of Rs. 1,848 was due to short expenditure under "Public Works" and under other minor heads. The excess expenditure of Rs. 5,219 in 1897–98 was due to the opening of relief works. The actual cash balance at the end of the year was better than the estimate by Rs. 2,556 and was due to short expenditure and arrear collections.

The population of the State according to the census of 1891 is 11,390. In the year under report 329 births and 303 deaths occurred as against 328 and 327, respectively, in the preceding year. Cholera was prevalent in two villages for a short time. Small-pox carried off 18 persons in seven villages. Fever of a bad type was prevalent throughout the year. Vital statistics.

Notwithstanding the prevalence of fever, public health remained fairly good. Public health.

The admissions to the Sanduru dispensary were 6,526 as against 9,250 in the preceding year. The fall was due to the non-prevalence of sore-eyes in a severe form. The average daily attendance was 39·49 or 7·05 less than that of 1897–98. 149 surgical operations were successfully performed as against 96 of the preceding year. 469 cases were vaccinated, of which 434 proved successful as against 324 and 305, respectively, in the previous year. The medical subordinate in charge of the civil dispensary, Sanduru, operated 60 cases, none of which failed. Plague sheds were erected and the necessary medicines, &c., were sent for. A third-class hospital assistant and a peon were employed on plague duty. Medical.

The pupils on the rolls on the last day of the year were 95 or 6 more than the number on the corresponding day of the preceding year. The average daily attendance was also better by 3·58, the preceding year's figure being 75·64. Six boys were sent up for the Lower Secondary Examination, but only one passed. The primary department sent up 6 boys, of whom 5 passed. Results-grants to the extent of Rs. 44 were paid to the managers of the three elementary schools on the register. The receipts amounted to Rs. 459 and the expenditure to Rs. 1,555 as against Rs. 431 and Rs. 1,534, respectively, in the previous year. The girls' school started by the London Mission had on its rolls 46 pupils on the last day of the year. Education.

## POLITICAL PENSIONS. (1898–99.)

The amount paid through the office of the Paymaster, Carnatic Stipends, to Carnatic, Jágirdár and Yeomiahdár stipendiaries, inclusive of special allowances for house-rent, was Rs. 2,39,170 against Rs. 2,43,041, and the arrears paid to the heirs of the deceased stipendiaries Rs. 474 against Rs. 199 in the previous year. The number of stipendiaries, including those paid at out-stations on 1st April 1899, Carnatic stipends.

was 580 against 578 on the same date in 1898. 24 stipendiaries died during the year against 20 in the previous year. They were in receipt of stipends to the amount of Rs. 823, of which Rs. 303 were continued, the remaining lapsing to Government. 12 stipendiaries drawing Rs. 56 per mensem commuted their stipends and received bonuses to the amount of Rs. 7,835.

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## COVENANTED CIVILIANS. (1898-99.)

The number of Covenanted Civilians on the Madras establishment on the 1st April 1898 was 157, and the number of Statutory Civilians 5. There were 10 new appointments, 6 retirements and 4 deaths, so that, on the 1st April 1899, the strength of the service, including 5 Statutory Civilians, was 162. The following statement shows details as to employment of these officers :—

| | On 1st April | |
|---|---|---|
| | 1898. | 1899. |
| Officers serving at the Presidency ... ... ... ... | 20 | 21 |
| District officers { Judicial ... ... ... ... ... | 19 | 21 |
| District officers { Revenue ... ... ... ... ... | 70 | 78 |
| Officers holding special appointments ... ... ... ... | 7 | 4 |
| Officers absent on leave or otherwise ... ... ... ... | 33 | 21 |
| Officers serving in other Presidencies ... ... ... ... | 13 | 17 |
| Total ... | 162 | 162 |

# CHAPTER II.

## ADMINISTRATION OF THE LAND.

### GOVERNMENT AND ALIENATED LANDS.

(FASLI 1307—JULY 1897 TO JUNE 1898.)

Land revenue.

THE land revenue of the Presidency is derived from the following sources:—(*a*) Peishcush or revenue from permanently-settled estates; (*b*) shrotriem jódi or quit-rent levied on inám villages held on favourable tenure; (*c*) assessment and water-rate levied on lands held under the ryotwári system; and (*d*) miscellaneous revenue.

Peishcush or revenue from permanently-settled estates.

The total amount of peishcush payable during the fasli was Rs. 49,80,223 against Rs. 49,80,345 in the preceding year.

Shrotriem jódi.

The quit-rents payable to Government on villages held on shrotriem or favourable tenure amounted to Rs. 7,35,765 against Rs. 7,36,090 in the preceding year.

Number of ryotwári villages and holdings.

The total number of ryotwári villages in the year was 22,908 or 149 less than in the previous year. The following abstract compares the total extent and assessment of holdings in the two faslis 1306 and 1307:—

| Items. | Dry. | | Wet. | | Total. | |
|---|---|---|---|---|---|---|
| | Extent. | Assessment. | Extent. | Assessment. | Extent. | Assessment. |
| | ACS. | RS. | ACS. | RS. | ACS. | RS. |
| Holdings at the beginning of the year ... ... ... ... | * 18,247,923 | * 1,86,51,314 | * 4,215,552 | * 2,32,66,493 | 22,463,475 | 4,19,31,046 |
| South Canara ... ... ... | ... | ... | ... | ... | ... | 13,89,460 |
| Total ... | 18,247,923 | 1,86,51,314 | 4,215,552 | 2,32,66,493 | 22,463,475 | 4,33,20,506 |
| Deduct— | | | | | | |
| (1) Lands resigned ... ... | 289,053 | 1,71,307 | 16,361 | 61,713 | 305,414 | 2,33,020 |
| (2) Lands sold for arrears of revenue and bought in by Government ... ... | 5,113 | 5,691 | 1,022 | 4,370 | 6,135 | 10,061 |
| (3) Lands sold for arrears of revenue and purchased by private individuals ... | 7,063 | 7,636 | 1,855 | 9,193 | 8,918 | 16,829 |
| (4) Lands transferred by private sale ... ... ... | 265,452 | 2,76,689 | 75,249 | 4,18,140 | 340,701 | 6,94,829 |
| (5) Transferred from wet to dry and *vice versâ* ... ... | 51,521 | 91,653 | 13,827 | 83,727 | 65,348 | 1,75,380 |
| (6) Other transfers ... ... | 14,036 | 18,872 | 3,148 | 15,320 | 17,184 | 41,955 |
| South Canara ... ... ... | ... | ... | ... | ... | ... | 3,057 |
| Total ... | 632,238 | 5,71,848 | 111,462 | 5,92,463 | 743,700 | 11,75,131 |
| Remainder ... | 17,615,685 | 1,80,79,466 | 4,104,090 | 2,26,74,030 | 21,719,775 | 4,21,45,375 |

* Since corrected.

| Items. | Dry. | | Wet. | | Total. | |
|---|---|---|---|---|---|---|
| | Extent. | Assessment. | Extent. | Assessment. | Extent. | Assessment. |
| Add— | Acs. | Rs. | Acs. | Rs. | Acs. | Rs. |
| (1) Lands newly taken up on darkhast .. ... ... | 346,813 | 2,57,271 | 26,697 | 1,05,764 | 373,510 | 3,63,035 |
| (2) Lands purchased by private individuals at revenue sales ... ... ... | 7,063 | 7,636 | 1,855 | 9,193 | 8,918 | 16,829 |
| (3) Excess by survey and settlement .. ... .. | 13,454 | 7,753 | 2,711 | 13,299 | 16,165 | 21,052 |
| (4) Lands transferred by private sales ... ... | 265,452 | 2,76,689 | 75,249 | 4,18,140 | 340,701 | 6,94,829 |
| (5) Lands transferred from dry to wet and *vice versâ* ... | 13 827 | 22,243 | 51,521 | 3,87,758 | 65,348 | 3,60,001 |
| (6) Other transfers . ... | 18 : 92 | 22,969 | 2,955 | 40,105 | 21,347 | 63,074 |
| South Canara ... ... ... | ... | ... | ... | ... | ... | 5,511 |
| Total .. | 665,001 | 5,94,561 | 160,988 | 9,24,259 | 825,989 | 15,24,331 |
| Total holdings .. | 18,280,686 | 1,86,74,027 | 4,265,078 | 2,35,98,289 | 22,545,764 | 4,36,69,706 |
| Increase as compared with fasli 1306 (1896 97) .. ... ... | 32,763 | 22,713 | 49,526 | 3,31,796 | 82,289 | 3,49,200 |
| Percentage ... | 0·2 | 0·1 | 1·2 | 1·4 | 0·4 | 0·8 |

Excluding lands occupied without 'Pattás' and shown in the accounts under 'Miscellaneous' and also the occupied area in the South Canara district for which statistics are not yet available, the total extent included in ryotwári holdings during the year amounted to 22·55 million acres or a little over 82,000 acres more than in the previous year. The increase occurred in all the districts, except Cuddapah, Anantapur, Trichinopoly and the Nilgiris where there were decreases. The largest increase occurred in Kistna, Bellary, Coimbatore, Salem and Malabar, which together contributed about 93 per cent. of the increase under holdings. Nearly 83 per cent. of the increase was attributed mainly to extension of cultivation due to favourable season and partly to the assignment on pattá of certain lands previously shown under 'Miscellaneous.' In Madura, it was also due to the inclusion under holdings of fasli 1307 of waste lands assigned on darkhast under the Periyár project. The greater portion of the remaining increase was due to the excesses brought to account on the introduction of new settlement during the year in the Hindupur and Madakasíra taluks of the Anantapur district and to the transfer of lands from 'inám' to 'ryotwári.' The decreases occurred almost wholly under dry holdings and were attributed to the unfavourable character of the season in the areas where they had occurred; but, in Cuddapah, it was due also to relinquishments during the year of certain poor lands which cannot bear continuous cropping. In Anantapur, the net decrease amounted to 31,810 acres. If the increase caused by survey, amounting to over 16,000 acres, which is nominal, be excluded, the gross decrease under holdings in this district would be about 48,000 acres. This large decrease was due to much larger areas having been relinquished than taken up during the year owing to want of timely rains and to the crippled resources of the ryots who suffered much in the late distress. The total assessment of the holdings amounted to Rs. 436·70 lakhs, *i.e.*, Rs. 3·49 lakhs or 0·8 per cent. more than in the previous year. The increase occurred in all the districts except Trichinopoly and the Nilgiris. About two-thirds of the increase or Rs. 2·27 lakhs occurred in the Gódávari and Kistna districts and was mainly due to the retransfer to wet, of lands for which water was relinquished in fasli 1305 when the water-rate was enhanced. In Madura, there was an increase of Rs. 26,000 mainly owing to the levy of enhanced rates of assessment on lands irrigated from the Periyár. The increase in Anantapur was due to the introduction of new rates of assessment. But for this, the large relinquishments mentioned above would have caused a decrease of over Rs. 10,500. The increases in other districts represented chiefly the assessment on the increased area taken up for occupation and on the inám lands transferred to ryotwári. As compared with the holdings of fasli 1285, the year before the great famine of 1876–78, the occupied area in fasli 1307 (1897–98) exhibited an increase of 2·5 million acres or 12·6 per cent. Including the area of

occupied lands shown in the accounts under 'Miscellaneous,' the increase amounted to 3·03 million acres or 14·9 per cent. A large portion of this increase (1·15 million acres) was attributable to the substitution of correct survey areas for the old paimash areas and to the inclusion of areas of resumed village service inâms under holdings. If these items be excluded, the increase due to extension of cultivation would amount to 1·88 million acres or 9 per cent. The improvement is common to all districts except Kurnool. In this district, the occupied area in fasli 1306 showed a decrease of 72,112 acres as compared with the pre-famine year; but during fasli 1307 this deficiency was reduced to 64,090 acres.

Ryotwâri cultivation.

The total extent cultivated during the year exclusive of miscellaneous cultivation amounted to 18·49 million acres or 81·99 per cent. of the total holdings against 80·83 per cent. in the preceding year. There were increases in 14 districts and decreases in 6 others. The decrease was particularly marked in Tinnevelly and Nellore and was attributed to the unfavourable season which prevailed in these districts. The increase was large in the Circars and Deccan districts. Including the extent under miscellaneous cultivation, the total extent cropped during the year amounted to 19·32 million acres against 18·90 millions in fasli 1306.

Water-rate and second-crop charge.

The revenue from water-rate and second-crop charge amounted to Rs. 10·14 lakhs and Rs. 11·96 lakhs, respectively, making a total of Rs. 22·10 lakhs. Compared with the previous year, there was an increase of Rs. 15,700 under water-rate, and Rs. 1·73 lakhs under second-crop, charge. The increase under water-rate was common to all districts except Ganjám, Gódávari, Kistna, Nellore, Chingleput and Tinnevelly. The increase was attributed to the favourable season generally and consequent good supplies to irrigation sources in the districts where it occurred. In South Arcot the increase was due to the failure of the north-east monsoon which induced the ryots to take water from Government sources to mature or save their dry crops. In Madura, the increase was due to the extension of irrigation under the Periyár project. The marked decrease in Gódávari and Kistna was due mainly to the reconversion of lands from dry to wet during the year. The decrease in Ganjám was attributed to favourable season and that in Nellore and Chingleput to short supply in Government sources due to the failure of the north-east monsoon. The increase in the second-crop charge was common to many districts. There was a falling off under this head in the districts of Kistna, Nellore, Chingleput and North Arcot. The increase was partly attributed to the stimulus given to second-crop cultivation by the prevalence of high prices generally and partly also to the timely and adequate supply of water in the irrigation sources during the second-crop season. In Madura it was also due to extension of irrigation under the Periyár project. The increase in Tanjore was due to the absence of floods and breaches, which interfered with second-crop cultivation in the previous year. The decrease in Kistna was due to the raising of second crop to a large extent in the previous year on lands damaged by floods. The decrease in the remaining districts was due generally to the failure of the north-east monsoon.

Season remission—Remissions for waste.

The assessment remitted on lands left waste or on which the crops were lost amounted to Rs. 10·48 lakhs against Rs. 32·07 lakhs in the preceding year. The large decrease was generally due to the favourable character of the season. The total wet waste amounted to 255,682 acres or 76,466 acres less than in the preceding year. The area on which remission was granted also fell from 137,766 to 79,296 acres. The assessment remitted was Rs. 3,25,937 against Rs. 6,43,033 or 1·4 per cent. of the assessment on the total wet area in occupation. There was a decrease of over Rs. 3 lakhs in the remission on wet waste as compared with the previous year, though in eight districts there was an increase aggregating Rs. 1·5 lakhs. The decrease was large in the Circars and Deccan districts where in fasli 1306 large remissions were necessitated generally by the unfavourable character of the season of that year. In Kistna the decrease was chiefly due to the fact that large remissions had to be granted in the previous year on account of damage caused by the Kistna floods. The large increase in wet remissions in Nellore, Chingleput, South Arcot and Tinnevelly was due to unfavourable season. Remissions on dry waste were granted in portions of Nellore and Cuddapah where dry crops suffered from want of timely rain.

Shavi or short crop.

The extent of dry and wet lands on which remission was granted on account of loss of crops amounted to about 215,000 acres and the amount of assessment remitted on these lands was Rs. 4·95 lakhs against Rs. 16·04 lakhs in the previous year. Nearly 81 per cent. of it was granted in Nellore, Chingleput, North Arcot and South Arcot, where the north-east monsoon was very deficient.

Tirvakammi —Difference between wet and dry assessment.

Remission granted under this head fell from Rs. 3·36 lakhs in the previous year to Rs. 1·44 lakhs in the year under report. Over two-thirds of this amount was remitted in Nellore, Cuddapah, North Arcot and Tinnevelly. The total remissions granted on dry lands during the year amounted to Rs. 73,543. Besides the remissions referred to above, which were granted with reference to the state of the season, there were, as usual, the fixed remissions or abatements of the demand recurring from year to year and deductions from village collections in favour of religious institutions, &c. These remissions and deductions amounted to Rs. 2,58,029 and Rs. 9,59,084 against Rs. 3,22,937 and Rs. 9,40,895, respectively, in the previous year.

Miscellaneous revenue.

The miscellaneous revenue amounted to Rs. 72·05 lakhs against 65·32 lakhs in the previous year. Details are given in the annexed statement:—

| Items. | Fasli 1306. | Fasli 1307. | Difference. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| 1. Jódi or quit-rent on minor ináms including water-rate ... ... | 34,81,207 | 36,83,359 | + 2,02,152 |
| 2. Land cultivated but not included in the jamabandi ... ... | 50,964 | 53,798 | + 2,834 |
| 3. Land cultivated without darkhast for which no pattás have been granted ... ... ... ... ... ... ... ... | 4,29,281 | 5,20,466 | + 91,185 |
| 4. Concealed cultivation ... ... ... ... ... ... ... | 7,195 | 6,242 | — 953 |
| 5. Cultivation of poramboke land ... ... ... ... ... | 2,93,626 | 3,29,472 | + 35,846 |
| 6. Tree revenue ... ... ... ... ... ... ... ... | 3,61,539 | 3,39,011 | — 22,528 |
| 7. Commission on private estates under Court of Wards' management ... ... ... ... ... ... ... ... ... | 51,857 | 78,448 | + 26,591 |
| 8. Charge for water on zamindari and inám villages, including tirvajasti and fasaljasti ... ... ... ... ... ... | 8,68,961 | 9,93,559 | + 1,24,598 |
| 9. Double charge for water on lands irrigated without permission ... | 86,072 | 1,51,226 | + 65,154 |
| 10. Revenue process-service fees ... ... ... ... ... | 29,053 | 28,407 | — 646 |
| 11. Other items ... ... ... ... ... ... ... ... | 8,72,131 | 10,21,043 | + 1,48,912 |
| Total ... | 65,31,886 | 72,05,031 | + 6,73,145 |

Net ryotwári demand.

The net ryotwári demand excluding remissions and deductions but including water-rate and second-crop charge amounted to Rs. 508·19 lakhs against Rs. 474·02 lakhs in the previous year.

Total land revenue demand—Current.

The total land revenue demand under all the heads amounted to Rs. 5,65,35,514 against Rs. 5,31,19,325 in fasli 1306 as detailed below:—

| Heads. | Fasli 1306. | Fasli 1307. |
|---|---|---|
| | Rs. | Rs. |
| Peishcush on permanently-settled estates ... ... | 49,80,345 | 49,80,223 |
| Shrotriem jódi ... ... ... ... ... | 7,36,090 | 7,35,765 |
| Ryotwári and miscellaneous ... ... ... ... | 4,74,02,890 | 5,08,19,526 |
| Total ... | 5,31,19,325 | 5,65,35,514 |

Cesses.

The total current demand under cesses amounted to Rs. 70,85,892 against Rs. 73,50,417 in fasli 1306.

Total demand under land revenue and cesses—Current.

The total current demand under land revenue and cesses amounted to Rs. 6,36, 21,406, of which Rs. 6,19,89,341 were collected within the fasli and Rs. 50 written off the accounts, leaving a balance of Rs. 16,32,015 or 2·6 per cent. at the close against Rs. 8,17,115 or 1·3 per cent. in fasli 1305 and Rs. 32,10,057 or 5·3 per cent. in fasli 1306.

Arrears.

The total arrear demand under all heads at the beginning of the year amounted to Rs. 33,40,622, of which Rs. 29,23,731 were collected within the fasli and Rs. 25,270 written off the accounts, leaving a balance of Rs. 3,91,621 or 11·7 per cent. at the end of the year as against 11·0 per cent. and 12·7 per cent. in faslis 1305 and 1306, respectively.

The total balance outstanding at the end of fasli 1307, both arrears and current, amounted to Rs. 20,23,636. Adding to this the balance relating to local and special funds other than land and village cesses, the total arrear demand on 1st July 1898 was Rs. 20,62,350, of which Rs. 14,83,670 or 71·9 per cent. had been collected up to the end of December 1898, Rs. 21,630 had been written off the accounts and Rs. 10,145 were irrecoverable; the net recoverable balance on 1st January 1899 was thus Rs. 5,46,905. Total arrears and current.

The charges debited during the year to Land Revenue excluding those of village establishments, amounted to Rs. 45,79,826, or 7·1 per cent. on the total amount of land revenue and cesses realized during the year. Charges.

The subjoined abstract compares the number of processes of each kind issued during the year with the figures for the four preceding faslis:— Coercive processes.

| — | Fasli 1303. | Fasli 1304. | Fasli 1305. | Fasli 1306. | Fasli 1307. |
|---|---|---|---|---|---|
| Number of demand notices ... .. | 5,374,303 | 5,690,788 | 5,888,994 | 5,816,226 | 6,386,639 |
| Number of attachment notices ... | 290,654 | 236,151 | 231,308 | 230,487 | 328,222 |
| Number of sale notices ... ... | 209,517 | 191,828 | 178,347 | 175,575 | 226,983 |

The number of demand notices increased by 9·8 per cent. as compared with the previous year; the increase was marked in Ganjám, Vizagapatam, Cuddapah, Anantapur, Bellary, Kurnool, Kistna, Nellore, Chingleput and Trichinopoly. The increase was due in the first six districts to the heavy arrears of fasli 1306, the collection of which was postponed until 1307 owing to famine, and in the remaining districts to the comparatively unfavourable season. Property, moveable and immoveable, was attached in 328,222 cases or in 5·14 per cent. of the number of cases in which demand notices had been issued as against 5·4, 4·1, 3·93 and 3·96 per cent. in faslis 1303, 1304, 1305 and 1306, respectively. The proportion of the number of defaulters whose property was attached to the total number of pattadars (3,205,176) also rose from 9·5, 7·5, 7·32 and 7·27 per cent. in faslis 1303 to 1306 to 10·24 per cent. in the year under report; these large increases were attributable to the steps taken for the recovery, along with the current demand of fasli 1307, of the heavy arrears that remained uncollected at the end of fasli 1306 owing to the unfavourable season of that year. Out of the 328,222 cases in which property was attached, the arrears due were paid up before the issue of notices of sale in 101,239 cases or 30·8 per cent. of the total number of attachments, the corresponding figures for faslis 1306 and 1303 having been 54,912 cases and 23·8 per cent. and 81,137 cases and 27·9 per cent., respectively. When compared with the total number of pattadars, the number of persons whose property was sold for arrears was 0·34 per cent. against 0·46, 0·34, 0·28 and 0·26 per cent., respectively, in faslis 1303 to 1306. The increase in the number of sales related almost wholly to personal property. Personal property was brought to sale in 5,201 cases out of 278,301 in which such property was distrained which gives a proportion of 1·9 per cent. against 1·7 per cent. in faslis 1303 to 1305 and 1·5 per cent. in fasli 1306; while real property was sold in 5,829 cases out of 49,921 in which it had been attached, *i.e.*, 11·7 per cent. against 14·0 per cent. in fasli 1305 and 15·6 per cent. in fasli 1306. Immoveable property of the estimated value of Rs. 1,89,921 was sold for the recovery of arrears amounting to Rs. 96,160, and the amount realized was Rs. 1,31,556, or 3·3 times the assessment of the lands sold (Rs. 39,826.) As in fasli 1306, lands sold to private purchasers realized on an average 5·4 times the assessment in the case of wet lands and 4·5 times the assessment in the case of dry lands. The total extent of lands sold for arrears of revenue fell from 27,899 and 27,728 acres, respectively, in faslis 1304 and 1305 to 25,421 acres in the year under report, but it was larger than the extent sold in fasli 1306 (21,467); the increase as compared with fasli 1306 was due to the general cause assigned to account for the increase in the number of defaulters whose property was sold, while the decrease as compared with the figures for faslis 1304 and 1305 was attributable to proceedings having been taken against personal property to a larger extent. The extent of lands bought in by Government during the year under report, viz., 9,518 acres out of 25,421 acres (or 37·4 per cent.) was also less in proportion to the total extent of land sold than in faslis 1304 and 1305

(38·9 and 37·9 per cent., respectively), but higher than the percentage (33·0) attained in fasli 1306. Notwithstanding the large increase in the number of processes issued during the year, the proportion thereof served by the special agency fell from 4·0 per cent. in fasli 1306 to 3·05 per cent. in the year under report; the corresponding percentages were 3·2 per cent. in fasli 1304 and 2·8 per cent. in fasli 1305. No special establishments were entertained during the year in Cuddapah, Anantapur, Bellary, Kurnool, North Arcot, Coimbatore, the Nilgiris and South Canara. Taking the Presidency as a whole, there was no appreciable variation either in the receipts on account of process fees or in the cost of the process service establishment.

Costs in civil suits.

The costs awarded to Government during the year under report in suits to which it was a party amounted to Rs. 4,835. Adding to this the opening balance of the year, viz., Rs. 4,606, the total demand amounted to Rs. 9,441, of which Rs. 5,430 were collected within the fasli and Rs. 562 were considered irrecoverable.

Interest on arrears of land revenue.

The total demand on account of interest on arrears of land revenue, including the balance at the beginning of the year, amounted to Rs. 91,494, of which Rs. 28,800 were collected and Rs. 1,306 written off, leaving a balance of Rs. 61,388 at the end of the year.

Transfer of registry of holdings.

The subjoined statement compares the number of applications received and disposed of during the year under the two usual heads, viz., those presented through Registration officers and those submitted direct to Revenue officers :—

| Received. | Number of cases pending at the beginning of the year. | Received during the year. | Total. | Disposed of during the year. | Number pending at the close of the year. | Percentage of pending cases to the total. |
|---|---|---|---|---|---|---|
| Through Registration officers ... | 5,776 | 59,164 | 64,940 | 58,755 | 6,185 | 9·52 |
| Direct by Revenue officers ... | 4,352 | 57,008 | 61,360 | 55,606 | 5,754 | 9·38 |

Under the former class of applications, the number received during the year exhibited an increase of 5,845 or 10·96 per cent. as compared with the previous year. The percentage of disposals by Registration officers rose slightly from 89·8 to 90·48 per cent. Under the second class of applications, viz., those received direct by Revenue officers, the number presented during the year showed an increase of 5,119 or 9·9 per cent. as compared with fasli 1306. The total number for disposal was 61,360, of which 55,606 or 90·62 per cent. were disposed of against 58,393 or 91·6 per cent. in fasli 1305 and 52,930 or 92·4 per cent. in fasli 1306.

Inspection of boundary and field marks.

Out of 1,476,440 boundary marks missing, 567,022 were replaced; out of 767,194 found out of repair, 308,732 were repaired. The number of boundary marks which were found missing or out of repair was large in Nellore, Cuddapah, Kurnool, Madura, Tinnevelly and Salem. In replacing field marks and in repairing those out of repair, good progress was made in Tinnevelly, Salem, South Arcot and Chingleput. The short work in Ganjám, Anantapur, Cuddapah, Bellary and Nellore was due generally to the prevalence of distress in those districts. In North Arcot and Coimbatore also the progress was small.

Advances under the Land Improvement and Agriculturists' Loans Acts.

The total advances of the year, as compared with those of the previous fasli, were as follows :—

| — | Fasli 1306. | Fasli 1307. |
|---|---|---|
| | Rs. | Rs. |
| Land Improvement Loans Act ... ... ... ... ... | 8,49,974 | 3,94,794 |
| Agriculturists' Loans Act ... ... ... ... ... | 2,37,321 | 8,30,994 |
| Total ... | 10,87,295 | 12,25,788 |

The increased demand for State loans in consequence of famine, referred to in the report for the previous year, continued in the fasli under report in the Ceded districts and in Ganjám, Vizagapatam and parts of Gódávari up to October 1897,

after which advances were made under the Agriculturists' Loans Act only. By far the greater portion, viz., 59·2 per cent., of the advances was made under the Agriculturists' Loans Act for the purchase of fodder and cattle. A noticeable feature in the year's transactions was the grant, for the first time since the promulgation of the rules, of loans under the Agriculturists' Loans Act amounting to Rs. 73,386, for relief of distress in the Kurnool and Bellary districts. During the latter half of the year, the revised rules under the Loans Acts were brought into operation. Of the total advances, 87 per cent. were made in the affected districts, and of this amount 83 per cent. were advanced in the Ceded districts alone. Of the loans granted under the Land Improvement Loans Act, Rs. 2,82,602 or 72 per cent. were advanced under the ordinary rules. Of the total advances, Rs. 1,54,997 or 39 per cent. were taken for construction or repair of wells, Rs. 1,12,192 being under the Special Well Rules. Loans to carry out land reclamation amounted to Rs. 2,23,457 or nearly 57 per cent. and were chiefly granted in the Deccan districts (for the removal of *nuth* grass) and in Madura. Loans advanced for other improvements amounted to Rs. 16,340. Under the Agriculturists' Loans Act, Rs. 4,90,249 (59 per cent.) were advanced for the purchase of fodder, Rs. 2,36,022 (28·4 per cent.) for the purchase of cattle, Rs. 73,386 (8·8 per cent.) for the relief of distress, Rs. 30,385 (3·7 per cent.) for the purchase of seed-grain and Rs. 953 (0·1 per cent.) for other purposes. An abstract showing the total advances, including the outstandings at the beginning of the year and the recoveries effected during the year, is given below :—

| Items. | Total advances including outstandings. | Amount repayable including arrears. | Recoveries. | | | Repayable balance. | Percentage of balance to the demand. |
|---|---|---|---|---|---|---|---|
| | | | Amounts due. | Voluntary payments. | Amounts written off. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Land Improvement Loans Act. | 39,14,165 | 2,98,913 | 2,15,727 | 9,848 | 788 | 52,398 | 18 |
| Agriculturists' Loans Act. | 10,76,507 | 1,44,624 | 74,368 | 1,338 | 129 | 70,127 | 49 |

Eighty-two per cent. of the repayable loans under the Land Improvement Loans Act and 51 per cent. of those under the Agriculturists' Loans Act were recovered during the year, against 86 and 72 per cent., respectively, in the previous year. The short collections during the year, as compared with the previous year, was due to famine in the Ceded districts. The following statement shows the improvements effected with the aid of Land Improvement loans during the year :—

| — | No. | Amount. | Extent benefited. |
|---|---|---|---|
| | | Rs. | Acs. |
| Construction of new wells ... ... ... ... | 415 | 76,996 | 1,732 |
| Repair of old wells ... ... ... ... ... | 423 | 55,959 | 1,805 |
| Reclamation of lands ... ... ... ... ... | ... | 1,54,642 | 5,264 |
| Other works ... ... ... ... ... ... | ... | 14,490 | 742 |

Most of the advances for reclamation of land were made in Bellary, Anantapur, Vizagapatam and Madura. A sum of Rs. 72,196 was advanced for survey operations during the year chiefly in Malabar and Kurnool. The total amount repayable in the year including the outstandings was Rs. 1,55,433, of which Rs. 65,367 were recovered, leaving a balance of Rs. 90,066 at the end of the year.

## SURVEYS. (1898–99.)

Outturn of work

During 1898–99 the work of the department comprised (1) cadastral surveys, (2) cadastral resurveys and (3) maintenance of survey records and boundary marks. Cadastral surveys of Government lands were in progress in Salem and Coimbatore and of proprietary estates in Ganjám, Vizagapatam, Kistna, Chingleput, North Arcot, Salem, Coimbatore, Tanjore, Madura and Tinnevelly, and cadastral resurveys in Gódávari, Kistna and Kurnool; and the survey of lands within municipal limits in 4 municipalities was completed while 9 more were under survey. The total outturn of the year is shown below :—

| Survey Division. | District. | Cadastral survey. | | Cadastral resurvey. | Special cadastral survey. | Total. |
|---|---|---|---|---|---|---|
| | | Government villages. | Proprietary estates. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | SQ. MILES. | SQ. MILES. | SQ. MILES. | SQ. MILES. | SQ. MILES. |
| I | Ganjám ... | ... | 30 | ... | ... | 30 |
| | Vizagapatam | ... | ... | ... | ... | ... |
| | Gódávari | ... | ... | 2 | ... | 2 |
| | Kistna | ... | 34 | 246 | ... | 280 |
| II | Bellary ... | ... | ... | ... | ... | ... |
| | Anantapur | ... | ... | ... | ... | ... |
| | Kurnool ... | ... | ... | 156 | ... | 156 |
| | Cuddapah | ... | ... | ... | ... | ... |
| | Nellore | ... | ... | ... | ... | ... |
| III | Madras ... | ... | ... | ... | ... | ... |
| | Ching'eput | ... | 34 | ... | ... | 34 |
| | North Arcot | ... | 13 | ... | 2 | 15 |
| | South Arcot | ... | ... | ... | ... | ... |
| | Salem ... | 70 | 5 | ... | ... | 75 |
| | Coimbatore | 71 | 10 | ... | ... | 81 |
| IV | Trichinopoly | ... | ... | ... | ... | ... |
| | Tanjore ... | ... | 80 | ... | 11 | 91 |
| | Madura ... | ... | 28 | ... | ... | 28 |
| | Tinnevelly | ... | 50 | ... | ... | 50 |
| V | The Nilgiris | ... | ... | ... | ... | ... |
| | Malabar ... | ... | ... | ... | ... | ... |
| | South Canara | ... | ... | ... | ... | ... |
| | Total outturn, 1898–99 ... | 141 | 284 | 404 | 13 | 842 |
| | Outturn of previous year ... | 223 | 99 | 417 | 38 | 777 |

The original budget grant for the year 1898–99 was Rs. 3,12,800, to which Rs. 5,400 were added, thus raising the total grant to Rs. 3,18,200, and the total expenditure was Rs. 3,16,402 being Rs. 1,798 less than the total grant. Of the total expenditure Rs. 83,488 were expended on the maintenance of survey records and boundary marks, and Rs. 63,655 was expenditure not chargeable to outturn, the principal items under the latter head being Rs. 28,592 for Malabar supplemental sub-division and definition of janmam boundaries, Rs. 9,952 for South Canara supplemental sub-division and Rs. 17,398 for the Central office.

Outturn of each division.

The following is a summary of the outturn of work of each of the 5 divisions :—

No. I Survey Division—In Ganjám the survey of the Serugada estate, area 30 square miles, was in progress; in Vizagapatam the survey of the Vizianagram zamindari was commenced in February 1899, preliminary operations were in progress and the theodolite survey of 111 linear miles was completed; in Gódávari the villages of Kimmur and Guntivanipalayam, area 2 square miles, were resurveyed; and in Kistna 246 square miles of cadastral resurvey were completed by karnams in the Sattenapalle taluk; but, owing to inadequate supervision, some of the work of the karnams was found on inspection to be bad, and orders were issued for the revision of 65 square miles scattered over 59 villages. The sub-division measurement for the Court of Wards of 34 square miles in the Teleprole estate was completed. The demarcation of the Kistna-Hyderabad boundary was incomplete, the dispute not having been settled. The clearing of the boundary line between Hyderabad and Kistna was in progress during the year. The work in this survey division was very much scattered and more than could be supervised by one officer satisfactorily. The survey work of the Serugada estate in the Ganjám district was not

inspected until it was nearly complete; as the work was found to be bad, the survey was ordered to be revised. No. II Survey Division—In Kurnool the cadastral resurvey of 156 square miles was completed in the Ramallakot, Nandikotkur and Sirvel taluks. Of this area, only 36 square miles were surveyed by karnams. It was estimated that 201 karnams would be at work during eight months and that their average monthly outturn would be about 38 square miles; but their average monthly attendance was only 17, and the monthly outturn only 4½ square miles. As very little progress was made by the karnams, the surveyors employed on inspection of their work were concentrated in one taluk for independent survey. They commenced work early in December and by the end of March 1899 completed 118 square miles. No. III Survey Division—In Chingleput 34 square miles were surveyed cadastrally in the Chunampet zamindari, Soranjeri mitta and Pakkam shrotriem; in North Arcot the cadastral survey of 13 square miles of Timmaji Ammal's estate in the Kangundi zamindari and the special cadastral survey of 2 square miles of lands within municipal limits in the Tirupati Municipality were completed; and in Salem 5 square miles of cadastral survey of Kakangarai estate were completed. The cadastral survey of 70 square miles of cultivation scattered over hill villages in the Salem, Uttankarai and Tiruppattúr taluks was completed. This work was attended with great difficulty, the localities for survey being very malarious. Eight surveyors died of hill fever during the year. No. IV Survey Division—In Tanjore 80 square miles of cadastral survey of Chattram villages for the district board and 11 square miles of the special cadastral survey of lands within municipal limits in three municipalities were completed; in Madura the cadastral survey of 28 square miles of the Tevaram, Mambarai and Velliyakundam zamindaris and of the Melur and Nattam unions was completed. The demarcation and measurement of sub-divisions caused by dharkast assignments was completed in 51 out of the 81 villages commanded by the Periyár channels; and in Tinnevelly 50 square miles of cadastral survey of the Ettiyapuram and Sivagiri estates were completed for the Court of Wards. No. V Survey Division—In Coimbatore 10 square miles of cadastral survey of the Sivasamudram Jaghir were completed for the Court of Wards. The survey of this Jaghir is now finished; 71 square miles of cadastral survey of hill villages in the Satyamangalam and Bhavani taluks were completed. The country for survey was very unhealthy, and work was seriously delayed by fever. According to a rearrangement of the survey divisions, the Coimbatore district forms part of No. III Survey Division, but as field work in the Bhavani and Satyamangalam taluks had been commenced by No. V Survey Division, work in the villages already taken up was completed by that division. In Malabar 190,215 sub-divisions of survey fields were measured to define janmam boundaries. This work was conducted under Act III of 1896 and the cost debited to landholders. The cost per sub-division up to 1st April 1899 was 2½ annas which included pay of surveyors and labour. A large staff of surveyors (about 225) now employed on this work will continue to be so employed until the janmam enquiry has been completed throughout the district. The amount of record work it entails is very large and fully employs one officer. The cadastral survey of cultivation scattered over 1,168 square miles of hill and jungle was completed by the end of March 1897, but there still remains the determination of janmam boundaries within unoccupied areas. This work has to be completed simultaneously with the Janmam Registration.

Central office.

The area of village maps printed during the year was 2,341 square miles. There were no arrears at the end of the year. Two district maps, Chingleput and Tinnevelly, and 4 taluk maps were published. The total cost of the Central office including pay of Superintendent was Rs. 87,025, being Rs. 8,202 less than last year and less than in any previous year since 1881-82.

Area remaining for survey.

The balance of work remaining to be done at the close of the year under report consisted of 5,824 square miles of resurveys in Kistna and Kurnool, 1,322 square miles of hill and jungle surveys in Gódávari, North Arcot, South Arcot, Salem and Coimbatore, 2,917 square miles of ordinary cadastral surveys in other districts and 169 square miles of town survey.

Cost of Survey work to Government.

The survey of the Presidency began in 1858. Up to 1st April 1899, the total expenditure of the department was Rs. 2,39,99,968 as shown below.

| Item of charge. | Outturn. | Cost. | Average rate per square mile. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | SQ. MILES. | RS. | RS. |
| Cadastral survey .. Demarcation ... ... ... | 41,531 | 35,16,226 | 85 |
| Cadastral survey .. Measurement and mapping ... ... | 77,625 | 1,29,84,416 | 167 |
| Total cost per square mile ... | ... | ... | 252 |
| Cadastral resurvey .. ... ... ... ... ... ... ... | 11,673 | 6,65,014 | 57 |
| Special cadastral survey of lands within municipal limits ... ... | 108 | 2,88,488 | 2,671 |
| Topographical survey ... .. ... . ... ... ... | 58,080 | 21,31,697 | 37 |
| *Outlay which cannot be expressed in area.* | | | |
| Control and photo-zincographic work .. ... ... ... ... | ... | 35,32,488 | ... |
| Miscellaneous survey work .. ... ... ... ... ... | ... | 3,78,476 | ... |
| Maintenance of survey records and boundary marks .. ... ... | ... | 4,06,400 | ... |
| Survey training of karnams .. . . . ... ... ... | ... | 71,468 | ... |
| Survey instruments for karnams ... ... ... ... ... ... | ... | 25,295 | ... |
| Total ... | ... | 2,39,99,968 | ... |

NOTE.—The figures entered above against Demarcation are exclusive of the work performed by the Settlement department.

Tests of accuracy.

As no theodolite work was completed during the year, no comparison between revenue survey and trigonometrical survey distances is made. The test of accuracy for field measurement is re-measurement. The average amount of check secured during the year was 7 linear miles of re-measurement per square mile of field survey. The percentage of good and fair work was 82 against 77 last year and of indifferent and bad work 18 as against 23 in the previous year.

Miscellaneous.

No difficulty was experienced in working the Madras Survey and Boundaries Act IV of 1897. During the year field measurement books were completed for 1,759 villages, leaving 8,760 villages, to complete the Presidency; the books were completed for Trichinopoly, South Canara and Malabar. Records of change in occupation were completed for 1,190 villages during the year. Restoration of boundary marks was complete at the end of the year in 6,295 villages. Eight Assistant Collectors and two Deputy Collectors were instructed during the year and 10,048 karnams, or 2,382 less than in the previous year, were instructed at the survey schools; 50 per cent. were classed as "good" or "fair" against 54 per cent. in 1897 and 50 against 46 per cent. as indifferent or bad.

## REVENUE SETTLEMENT. (1898–99.)

Outturn of work.

Settlement Party No. I continued to work in the Anantapur district, Party No. II in South Canara, Party No. III in Gódávari and Kistna and Party No. VI in Malabar. Party No. V, with head-quarters at Salem, was engaged in classifying and settling certain unsettled villages in the Salem district and in classifying the whole inám villages in South Arcot, besides attending to miscellaneous items of work in connection with the re-settlement of Trichinopoly and the classification of whole inám villages in the Tanjore district. During the year, settlement rates were introduced into Hindupur and Madakasíra taluks of the Anantapur district, and into 38 unsettled villages in the Uttankarai and Salem taluks of the Salem district. About 1,164 square miles of land were classified in five districts, and 3,931,853 taxable trees were counted in the Malabar and South Canara districts. The work of measuring interstitial fields or holdings was carried out by the Settlement Parties in the Gódávari, Kistna, South Arcot and Salem districts, the number of sub-divisions measured being 14,722. Party No. I—There was no field work for this party except checking measurements of sub-divisions in one village of the Madakasíra taluk. The whole establishment was engaged, during the year, chiefly in preparing accounts connected with the introduction of settlement rates into Hindupur and Madakasíra taluks and in preparing settlement diglott registers

and inám excess accounts of the settled taluks. Revised rates of assessment were introduced during the year into the taluks of Hindupur and Madakasíra and the settlement of the Anantapur district was thus completed. Settlement diglott registers for 161 villages were submitted to the Board, and the registers of 194 villages remained to be completed at the end of the year. Inám excess accounts were prepared for 268 villages in the Anantapur district, leaving the accounts of 87 villages to be dealt with subsequently. The preparation of the excess statements in respect of the village service ináms of the Bellary district was also entrusted to this party, and statements for 525 out of 873 villages were prepared. Towards the end of the year, the major portion of the temporary establishments attached to this party was abolished, and, as there was no field work, the supervisor was sent to South Canara to work off arrears of inspection of classification in that district. Party No. II—As in the previous year, the field work done in South Canara consisted of classification of soils and tree-counting by classifiers, and the examination thereof by higher officers. The classifiers completed the classification of soils in the two Kumari (hill) villages of Kasaragod taluk, which remained unfinished at the end of the previous year, and in 87 villages of the Kundapur and seven villages of the Uppinangádi taluks besides the three villages in the former taluk which had to be reclassified. Four villages in Kundapur and 138 villages in Uppinangádi remained to be classified in the district at the close of the year. Nearly 412 square miles were classified and 1,572,754 taxable trees counted. The head classifiers inspected the classification in 97 villages, leaving 2 villages in Kasaragod, 26 villages in Kundapur, and 2 villages in Uppinangádi taluk to be examined by them at the close of the year. The total area examined by them was 455 square miles and the number of trees counted 330,879. The supervisor and his assistant completed their inspection in the Udipi taluk and in 50 villages of Kundapur during the year, and also in three Kumari (hill) villages of the Kasaragod taluk. The number of villages remaining to be inspected by these officers at the close of the year was 15 in Kasaragod, 3 in Mangalore and 35 in Kundapur. The Deputy Commissioner inspected 97 villages, in which classification was completed, and also accompanied the Commissioner for a portion of his tour through the district in October and November 1898. This party conducted 719 crop-experiments during the year. The scheme for the settlement of the South Canara district, based on the results of classification of the two taluks of Kasaragod and Mangalore and prepared by the Deputy Commissioner, was referred to the Collector of the district for remarks. Party No. III—The field-work done by this party consisted of (1) supervising the work of karnams in connection with the verification of holdings and the measurement of sub-divisions of survey fields in the 62 villages of the Gódávari and Kistna districts left unfinished in the previous year; and (2) classification of 54 rented villages and of the lands left unassessed and unsurveyed in 98 villages in the Gódávari district at the last settlement. The total area classified was 162 square miles. The head classifiers examined the classification of 144 square miles in 139 villages, and the supervisor tested 58 square miles in 76 villages. 30 rented villages remained to be classified at the close of the year. The adangal registers of all the villages in the Gódávari district and of all but 108 villages of the Masulipatam portion of the Kistna district were written up and various miscellaneous accounts completed preparatory to the introduction of revised rates. The Deputy Commissioner inspected the classification of soils in 29 villages of the Bandur taluk and in 21 rented villages of Peddápuram. Party No. V—The field work of this party was confined to Salem and South Arcot. In Salem, the classification of certain villages which had not been surveyed and settled at the time of the settlement of the rest of the district was undertaken. 138 villages were classified during the year, and there remained 119 villages to be dealt with, for which survey records had not been received. In South Arcot, the classification of whole inám villages, 71 in number, was commenced and completed during the year. The area classified was in the aggregate 160 square miles, and the classification of 44 square miles in 65 villages was examined by the head classifiers. The supervisor inspected the soil classification in 117 villages, while the Assistant Commissioner visited 73 villages in Salem and 33 villages in the South Arcot district. Revised rates of assessment were ordered to be introduced during the last fasli in 38 villages in Uttankarai and Salem taluks; and in two

villages of Tiruchengódu revised rates were ordered to be introduced during the current fasli. Proposals for revising the rates of assessment received from the Assistant Commissioner for 114 villages of the Hosur and Krishnagiri taluks were referred to the Collector of Salem for remarks. The tabulation of the classification results of the whole inám villages of the Kumbakónam taluk and the preparation of adangals generally for all the whole inám villages in the Tanjore district were completed during the year. The revised reports based on the classification results of the whole inám villages were forwarded to the Collector of Tanjore for his remarks. The settlement registers of 319 villages of Trichinopoly were completed and the inám excess statements for those villages were also prepared and sent to the Collector. There remained only seven villages for which registers and inám excess accounts had to be completed at the end of the year. The Assistant Commissioner disposed of local petitions and references in connection therewith, and also inspected certain unassessed waste lands in the Trichinopoly district. As there was not sufficient field work for the full strength of the party at the close of the year, the services of eight classifiers were placed at the disposal of the Collector of Madura for the supervision of measurement of sub-divisions in the villages affected by the Periyár irrigation. Party No. VI—During the year, the classifiers completed the work of classification in 199 desams in the Ernad taluk, leaving 21 desams unfinished. The area classified was 427 square miles and the number of trees counted was 2,359,099. The head classifiers examined the classification of 214 square miles in 122 desams of Ernad and Calicut taluks and checked the counting of 571,640 trees. There remained at the end of the year, 78 desams in Ernad to be examined. The supervisor and his assistants inspected 70 desams of Calicut, 24 of Ponnáni and 69 of Ernad taluk. The Assistant Commissioner inspected 67 desams in Calicut and 20 desams in the Ernad taluk during the year. He was also engaged in supervising the preparation and printing of the settlement registers and descriptive memoirs relating to the Malabar-Wynaad. The registers of 29 out of the 58 desams and the memoirs of 19 desams were printed during the year.

**Settlement registers and survey maps.**

At the commencement of the year, manuscript registers for 1,396 villages were on hand. During the year, registers for five villages of Tanjore, 379 villages of Trichinopoly, 161 villages of Anantapur and 14 villages of Salem, South Arcot and Chingleput districts were received, raising the total number of registers to be printed to 1,955. Of these, 482 were printed during the year, leaving a balance of 1,483. At the beginning of the year there were 3,101 maps to be mounted and, during the year, 3,775 were received from the Superintendent of Survey, raising the total number to 6,876. Of these, 6,639 were mounted during the year, leaving a balance of 237 maps to be mounted. The settlement of Anantapur was completed during the year. Proposals for the re-settlement of the Gódávari and of the Masulipatam portion of the Kistna district were received after the close of the year, and arrangements were being made for the introduction of revised rate during the current year. The settlement of the Malabar district has been postponed pending the completion of the registration of janmam titles. The re-settlement of the four taluks of Kurnool proper was postponed till 1899.

**Janmam Registration.**

Up to the end of the year, the registration of janmam titles was practically completed in 112 out of the 138 desams in the Palghat taluk, and 171 out of 317 desams in the Walavanad taluk. Arrangements were made after the close of the official year to commence registration in the Ponnáni and Kurumbranad taluks.

**Expenditure and revenue.**

The expenditure of the department during the year was Rs. 2,89,695 against Rs. 3,03,907 in the previous year, the decrease being mainly due to the savings effected (*a*) in the contingencies and (*b*) in the pay of the establishment. The total cost of the department up to the year was Rs. 1,22,65,127. The net increase of revenue in the settled districts amounted to Rs. 90,01,249 equivalent to 73 per cent. of the outlay. Including the total outlay of Rs. 2,34,72,428 incurred by the Survey department, the return amounted to 25 per cent. as in the previous year.

## INÁM COMMISSION. (1898-99.)

No ináms were brought under settlement during the year under report by any establishment specially entertained for the purpose. A statement showing the number of title-deeds issued during the year and the value of the ináms dealt with is subjoined :—

| Particulars. | Number of title-deeds issued. | Total extent. | Assessment. | Jódi already payable to Government. | Quit-rent newly imposed and payable to Government. | Quit-rent not agreed to by inámdars whose ináms have consequently been left unenfranchised. | Total amount payable to Government (columns 5 and 6). | Quit-rent redeemed. | Cost of the establishment. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | ACS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| Dasabandham ... | 3 | 26 | 119 | ... | 6 | ... | 6 | | |
| Dharmadáyam ... | 2 | 7 | 9 | ... | 1 | ... | 1 | | |
| Dévádáyam ... ... | 36 | 3,879 | 3,840 | ... | 30 | ... | 30 | 10 | 4,808 |
| Personal ... ... | 114 | 441 | 1,693 | 917 | 255 | 127 | 1,172 | | |
| Village service ... | 8 | 45 | 94 | 10 | 54 | ... | 64 | | |
| Jari Brahmadayam .. | 177 | ... | 6,612 | ... | ... | ... | ... | | |
| Total ... | 340 | 4,398 | 12,367 | 927 | 346 | 127 | 1,273 | 10 | 4,808 |

The total number of title-deeds issued by the Inám Commissioner from the commencement of inám operations up to the end of the year 1898–99 amounted to 493,484, covering an extent of 7,389,736 acres, assessed at about 115 lakhs of rupees. The yearly increase of revenue secured by the enfranchisement of ináms was Rs. 25,35,465 including Rs. 3,84,687, the assessment on ináms fully assessed. Adding to the former figure the old jódi payable to Government amounting to Rs. 10,23,724, the total revenue derivable from the ináms settled up to the close of the year was Rs. 35,59,189.

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## COURT OF WARDS.

### (FASLI 1307—JULY 1897 TO JUNE 1898.)

Number of estates under management.

Including Parlákimedi, there were 45 estates under management at the beginning of fasli 1307. Of these, five estates were surrendered during the year in question. Two estates having been entrusted to the Court's care during the fasli, there were 42 estates under management at the close of the fasli.

Estates handed over and taken up.

Of the five estates, which left the Court's charge, Pedda Kimedi, Appikonda and Talavankóttai were handed over to their proprietors on the cessation of their minority. One-half of the Belgam estate had been handed over in the previous fasli to a cousin of the late zamindar in compliance with a decree of the local High Court, since affirmed on appeal by the Privy Council; the other half was taken possession of during the fasli under report by another cousin of the late proprietor who had obtained a similar decree. As stated in the report for the previous year, the Meduru estate was handed over to the second receiver appointed by the District Court, Kistna; on an appeal preferred by the adoptive mother of the late ward, the order of appointment was cancelled by the High Court, which however itself appointed the appellant as receiver. This estate remained on the present occasion under the Court of Wards' control only from 22nd April to 10th August 1897. The proprietrix of the Chidikada estate having died on the 19th March 1898, the Court of Wards directed the issue of a notice to the several claimants that, unless prohibited by the order of a competent Civil Court, it would hand over the estate to Inuganti Chinna Sitaramaswami Garu, the nearest reversioner of the deceased lady. No such injunction was obtained: and the estate was therefore handed over to the individual named. The Nandigám (Ganjám) and Sivaganga (Madura) estates came under the Court's management during the fasli on account of the minority of their owners. The annexed statement shows the financial condition

of the surrendered estates at the time of restoration, as compared with their condition when taken under control, omitting Meduru which was only a short time under management :—

| Districts. | Estates. | Current demand. | | Balance on hand. | |
|---|---|---|---|---|---|
| | | When taken up. | When restored. | When taken up. | When restored. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Rs. | Rs. | Rs. | Rs. |
| Ganjám ... ... | Pedda Kimedi ... ... | 1,04,668 | 1,19,876 | 2,837 | 6,063 |
| Vizagapatam ... | Appikonda ... ... | 9,420 | * 8,848 | 33,078 | § 24,891 |
| | Belgam ... ... ... | 42,305 | † 39,539 | 3,767 | ‖ 25,710 |
| Tinnevelly ... ... | Talavankóttai ... ... | 31,135 | ‡ 21,952 | 362 | 22,003 |

*N.B.*—Debts (principal and interest) to the extent of Rs. 3,91,548 against the Pedda Kimedi estate, and of Rs. 71,997, Rs. 34,927 and Rs. 7,322 against Appikonda, Belgam and Talavankóttai, respectively, were discharged during the period of management. For the discharge of the Pedda Kimedi debts, a loan of Rs. 1,46,000 was raised on easier terms, of which at the date of surrender Rs. 1,16,000 remained undischarged.

* Decrease due partly to sale of ináms and partly to reduction of excessive rents.

† This is the demand of fasli 1305 and has been taken for comparison, as in the next fasli a *moiety* of the estate left the Court's charge in execution of a decree. The fall in the demand is due to the delivery to the mother of the zamindarni of certain property which had been granted for her maintenance, and to the abolition of a certain irregular charge which was formerly collected from the estate tenants.

‡ The first year of management was exceptionally favourable for agriculture, and extended agricultural operations had been made; in the year of surrender the season was less favourable, hence the reduction in demand.

§ Excluding Rs. 22,455 due in respect of mercantile transactions carried on by the deceased proprietor jointly with others.

‖ This was the balance at the end of fasli 1305.

Holdings.

The aggregate area of the holdings of the ordinary villages in all the estates under management (excluding rented villages) was acres 760,366. The extent of holdings in the estates which were under management in both years was acres 760,366 in fasli 1307 against acres 752,116 in the previous fasli, showing an increase of acres 8,250 which is the net result of an increase of acres 14,534 in 13 estates counterbalanced by a decrease of acres 6,284 in 8 estates.

Cultivation.

The extent of actual cultivation reported in the year under report was acres 692,134 or 91·0 per cent. of the holdings against acres 700,300 or 90·5 per cent. shown in the previous year's report.

Demand of estates.

The gross demand of the year amounted to Rs. 26,42,704, of which Rs. 19,134 were remitted, leaving a total net demand of Rs. 26,23,570. The following abstract compares the figures under these heads as regards the estates which were under management in faslis 1306 and 1307 :—

| Faslis. | Gross demand. | Remissions. | Net demand. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| 1306 ... ... ... ... ... | 26,32,546 | 38,850 | 25,93,696 |
| 1307 ... ... ... ... ... | 26,15,786 | 19,134 | 25,96,652 |

Demand, collection and balance.

The arrear demand at the beginning of the fasli amounted to Rs. 23,40,483, of which Rs. 5,24,449 were collected and Rs. 56,511 written off, leaving a balance of Rs. 17,59,523 at the end of the fasli. Deducting subsequent collections and remissions (Rs. 30,443), and items since found to be irrecoverable (Rs. 9,82,961), the net recoverable balance was Rs. 7,46,119 or 31·9 per cent. against Rs. 7,98,763 or 39·1 per cent. as shown in the previous year's report. In nine estates the outstanding balance on the date of the report was *nil*. In eight others it was below 10 per cent., while in eight more it ranged between 10 and 25 per cent. In seven estates, it was between 25 and 50 per cent. It exceeded 50 per cent. in eight estates. The total current demand of the year amounted to Rs. 26,24,194, of which Rs. 21,54,598 were collected and Rs. 1,075 written off, leaving a balance of Rs. 4,68,521 at the end of the fasli. If from this be deducted subsequent collections and remissions amounting to Rs. 1,62,397, as also the sum of Rs. 2,026 since found to be irrecoverable, the net recoverable balance on the dates of the Collectors' reports was Rs. 3,04,098 or 11·6 per cent. against 19·1, the corresponding percentage for the previous year. The whole of the current demand was collected in 2

estates. In 17 estates, the net balance was below 5 per cent., while in 8, it ranged between 5 and 10 per cent., in 5 between 10 and 16 per cent., and in 6 estates between 20 and 29 per cent. In 2 estates, it exceeded 35 per cent.

Financial. The aggregate cash receipts of all the estates under management during the year amounted to Rs. 30,62,563. Adding to this, Rs. 9,04,154 (the cash balance at the beginning of the year), the total cash assets of the fasli amounted to Rs. 39,66,717, of which Rs. 24,03,834 (including a sum of Rs. 92,632 invested in Government promissory notes and Rs. 1,04,707 devoted to payment of debts) were expended during the year. The cash balance at the close of the fasli was thus Rs. 15,62,883. Adding to this, the Government securities of the nominal value of Rs. 27,75,500 held on behalf of certain estates and the value (Rs. 1,04,785) of grain on hand at the close of the year, the total balance to the credit of the estates on the 30th June 1898 was Rs. 44,43,168, showing a fall of Rs. 12,24,907 as compared with the opening balance of the year. This large decrease was due to the payment of over 18 lakhs to the two sons of the Parlákimedi ward on account of their two-thirds share in the partible properties inherited by their father. There was also an exceptional payment of Rs. 1,15,100 in satisfaction of a decree obtained against the Sáptúr ward by his step-brother. Omitting these items, there was a substantial improvement in the assets of the estates under management. The net receipts and charges of the year amounted to Rs. 29,25,455 and Rs. 22,06,495, respectively, against Rs. 26,35,273 and Rs. 22,41,426, of the previous year. The percentage of establishment charges and Government commission to normal receipts was 11·6 against 13·5 in the previous year.

Utilization of surplus balances and advances to tenants. Surplus balances were usually invested in Government securities; in some cases, however, the purchase of land and the execution of works of utility are contemplated. In 9 estates advances of money and grain were made to tenants.

Debts due to estates. The total debts outstanding at the beginning of the fasli amounted to Rs. 10,90,411. Including those newly contracted (Rs. 20,130) or brought to account (Rs. 11,089), as also the interest that accrued during the year (Rs. 59,814), the total sum due was Rs. 11,81,444, of which Rs. 56,435 were collected and Rs. 45,614 written off, leaving a balance of Rs. 10,79,395 at the end of the year distributed among 28 estates.

Debts due by estates. The total amount due at the beginning of the fasli was Rs. 11,90,126. Adding thereto, debts newly contracted (Rs. 11,000), or brought to account (Rs. 1,099) and the interest that accrued during the year (Rs. 63,250), the total amounted to Rs. 12,65,475, of which Rs. 1,09,759 were repaid, leaving at the end of the fasli a balance of Rs. 11,55,716 due by 18 estates.

Public Works. The total allotment was Rs. 3,68,770, of which Rs. 2,13,319, or 57·9 per cent., were spent against Rs. 2,11,369, or 69·0 per cent., in the previous year. The expenditure is classified below :—

| Class of work. | Fasli 1306. | Fasli 1307. |
|---|---|---|
| | Rs. | Rs. |
| Irrigation works ... ... ... ... ... | 1,06,420 | 1,24,644 |
| Buildings ... ... ... ... ... ... | 76,927 | 53,439 |
| Communications ... ... ... ... ... | 13,242 | 12,693 |
| Total ... | 1,96,589 | 1,90,776 |
| Establishment ... ... ... ... ... ... | 14,780 | 22,543 |
| Grand Total ... | 2,11,369 | 2,13,319 |

The outlay on public works was 8·9 per cent. of the total charges of the year. If the debts repaid and the amounts invested in promissory notes be excluded from consideration, the percentage rises to 9·7 against 9·4 in the previous fasli.

Education of wards. Of the 49 persons (wards and their relations) under instruction, 46 were males and 3 females. Six wards were under the tuition of the Court's European tutor at Madras. The progress and behaviour of the wards are reported to be satisfactory on the whole.

Suits. The Chidikada ward having died during the fasli under report, and the estate having passed out of the Court's charge, the records connected with the appeal now pending before the Privy Council have been handed over to the present owner of the estate in order that he may take the necessary action for the further conduct of the appeal, if so advised. The Pedda Mérangi Privy Council appeal is still pending before that tribunal: and the local High Court has admitted an appeal to the Privy Council against its order decreeing to Sri Raja Papamma Rao the greater portion of the Tangellamúdi estate. The Sáptúr and Pithápuram appeals were decided in favour of the Court's wards by the Privy Council. The two Munagala adoption suits and the appeal relating to the Pithápuram minor's claim to the Kirlampudi estate are still pending, as also the suit filed by the Raja of Venkatagiri against the Tangellamúdi and Pithápuram minors for the recovery of a loan obtained from him by the late Tangellamúdi Rani. The suit filed by two illegitimate sons of the late zamindar of Sáptúr for a share of his partible property ended in favour of the plaintiff, and the Court of Wards decided that there were no sufficient grounds for an appeal. The late zamindar of Sivaganga had filed an appeal to the Privy Council as to the possession of a piece of jungle. The question of prosecuting the appeal came under the Court's consideration and it was decided to compromise the case. The High Court dismissed the appeal filed by the brother of the late zamindar questioning the validity of the adoption of the boy who is the Court's ward.

General remarks. The zamindar of Parlákimedi is in good health and continues to receive the allowance of Rs. 5,000 per mensem from his elder son. The forests of the Bodogodo estate are under a Forest Ranger whose services have been lent to the Court of Wards. The question of the administration and survey of the Sivagiri forests and the desirability of extending the Forest Act to Ankusagiri (Berikai) are under consideration. A small establishment has been maintained to guard the Shulagiri forests. The survey of the Kakangarai estate was completed after the close of the fasli under report, while that ofnine other estates is either progressing or will shortly be commenced. The Court of Wards is now dealing with the question of the recovery from the tenants concerned of a portion of the cost of the survey.

# CHAPTER III.

## PROTECTION.

### LEGISLATION. (1898-99.)

Additional Members.

THE Honourable the Raja of Bobbili, K.C.I.E., the Honourable Dr. D. Duncan, and the Honourable M.R.Ry. P. Rajaratna Mudaliyar, Diwan Bahadur, whose term of office expired during the year, were re-appointed Additional Members of Council—the first-named gentleman on the 4th April and the two latter on the 14th November 1898. The Honourable Mr. J. Sturrock was re-appointed an Additional Member of Council on his return from privilege leave on the 4th April 1898. The Honourable Messrs. C. S. Crole and G. Stokes were also similarly appointed on the 16th April and 3rd June 1898, respectively, after the Honourable Messrs. J. Thomson and G. S. Forbes, their predecessors, had resigned their seats in Council. The two latter gentlemen were, however, soon after appointed as Additional Members in the vacancies caused by the resignation of the Honourable Mr. Crole and the appointment of the Honourable Mr. A. T. Arundel as Member of Council on the 22nd September and 11th June 1898, respectively. The Honourable Colonel Sir George Moore, *Kt.*, C.I.E., was appointed an Additional Member on the 11th June 1898 in the vacancy caused by the death of Mr. H. T. Ross. In July 1898 the Honourable Mr. G. G. Arbuthnot resigned his seat in the Council and the Honourable Mr. S. R. Turnbull was appointed in his stead on the 6th September following at the recommendation of the Madras Chamber of Commerce. In November the Honourable Mr. H. M. Winterbotham was appointed a Member of Council on the retirement of the Honourable Sir Henry Bliss, K.C.I.E., and the Honourable Mr. W. J. H. LeFanu was appointed an Additional Member of Council in his stead on the 2nd December 1898.

Meetings of the Council.

Six meetings of the Council were held during the year, at which the average attendance of Additional Members was 18, viz., officials, nine and non-officials, nine.

Acts passed during the year.

The following Acts were passed during the year:—Act III of 1898, an Act to amend the Madras City Police Act, 1888; Act IV of 1898, an Act to repeal Madras Act I of 1880, an Act for regulating the storing, sale and packing for conveyance of gunpowder; Act V of 1898 (the Malabar Wills Act, 1898); and Act I of 1899, an Act to amend Madras Act IV of 1884 (the District Municipalities Act, 1884). A brief description of the object and character of these Acts together with the dates on which they received the Governor-General's assent is given in the appendix, where will also be found a statement of all legislative measures pending before the Council with an explanation of their objects and reasons.

### POLICE. (1898.)

Strength and cost of the force.

Excluding village police, private guards and office establishment, the total strength of the force at the end of the year was 22,564, or ·8 per cent. less than the sanctioned strength of 22,766, the deficiency in 1897 being 1·3 per cent. The increase of 134 in the sanctioned strength was due to the inclusion of a temporary establishment in certain parts for plague work. Expenditure decreased by Rs. 74,032 from Rs. 43,74,088 to Rs. 43,00,056. The decrease was mainly due to absence of expenditure on famine temporary force and famine batta which rose in 1897 to Rs. 44,000, to decreased cost of clothing, to the discontinuing of travelling allowance to Prosecuting Inspectors, and to less expenditure on escorts for treasure. There was also a decrease of Rs. 8,000 in the expenditure on buildings.

Hutting and building operations.

One station-house, 98 huts and 16 miscellaneous buildings were constructed during the year at a cost of Rs. 22,811. Including Rs. 62,310 spent on repairs, the total expenditure on hutting and building operations was Rs. 80,115 against Rs. 88,665 in 1897.

Proportion of police to the population and to area.

The proportion of police to population was 1 to 1,695 against 1,689 in 1897. The proportion of working police to area was 1 to 8·3 square miles and to population was 1 to 2,245 in the Presidency as a whole, in rural parts 1 to 3,264 and in towns 1 to 577.

Average cost of a policeman.

The average cost of a policeman was Rs. 189–1–10, or As. 1–9 per head of population compared with Rs. 194–5–5 or As. 1–10 in the previous year.

Private guards.

During the year 174 constables were employed by banks, public companies and private individuals at a cost of Rs. 21,431.

Conduct of the force.

The subjoined table shows the punishments inflicted on police officers during the last three years :—

| Year. | Judicial convictions | | | | Departmental punishments. | | |
|---|---|---|---|---|---|---|---|
| | Under Police Act. | | Under Indian Penal Code. | | | | |
| | Number. | Percentage of the force convicted. | Number. | Percentage of the force convicted. | Percentage of the force dismissed. | Percentage of the force fined, degraded, or suspended. | Percentage of the force punished for absence without leave. |
| 1896 ... ... | 72 | ·3 | 181 | ·8 | 1·4 | 17·8 | 8·6 |
| 1897 ... ... | 103 | ·4 | 173 | ·7 | 1·3 | 17·8 | 6·4 |
| 1898 ... ... | 85 | ·3 | 205 | ·9 | 1·6 | 19·5 | 7·9 |

Two Inspectors were convicted during the year. The average fine imposed was As. 14–7 against As. 15–7 and As. 13–4 in 1897 and 1896. There was an increase in the number of resignations, dismissals and desertions. Out of 179 cases of appeals against the orders of District officers disposed of during the year, the orders in 22 cases, or 12·3 per cent. were reversed against 7·6 per cent. in 1897. Of 24 appeals to Government against dismissal, the orders of the Inspector-General were upheld in 23, the appellant in one case being reinstated on the Inspector-General's recommendation. There were 8 appeals to Government against other punishments, which were all unsuccessful. Rs. 3,360 against Rs. 5,930 in 1897 were paid as rewards. Rs. 1,000 was granted by the Tanjore Ranís for the detection of a heavy theft in their palace. In Malabar one Inspector received a reward of Rs. 550, while another was granted the title of "Khan Bahadur", in recognition of their services. Money rewards were granted to 913 men against 1,176 in 1897. Good-conduct stripes were granted to 4,202 men, and the number of those drawing good-conduct allowances was, at the close of the year, 1,724.

Enlistments and casualties.

There were 1,995 enlistments against 1,578 in 1897. The number of men who left the force was 1,797 as compared with 1,668 in the previous year. Desertions increased from 146 to 180. There was a decrease in mortality from 353 to 280 in the year under report.

Education.

The improvement in education continued ; the percentage of men able to read and write advanced from 86·4 to 86·6. The funds allotted to the Vellore school for Inspectors were utilized for the training of station-house officers. The number of men who had passed non-departmental examinations rose from 792 to 845. The force included, at the close of the year, 3 Bachelors of Law, 36 Bachelors of Arts and 394 under-graduates.

Escapes.

Escapes of convicts from sub-jails numbered 12 against 16 in 1897, there were 41 escapes of under-trial prisoners against 71 in the previous year ; escapes from "other custody" increased from 144 to 148. Out of 201 prisoners escaped, 75 were at large at the close of the year against 59 out of 231 in 1897. There was a considerable decrease in the number of escapes from sub-jails.

Processes.

Though crime was nearly as heavy as in 1897 the number of processes decreased from 936,963 to 907,284. The number of processes issued in grave cases was 373,444, in petty cases 533,840. The number of warrants issued on neglect of

summons was 29,882. The decrease in the number of processes was due to the exercise of greater care in issuing them on the part of the magistracy.

The number of violent deaths fell from 13,969 to 12,922, a figure, however, slightly in excess of that reported in 1895 and 1896. Suicides numbered 1,949 and accidental deaths 10,256. Of the latter, 7,084 were due to drowning, 1,059 to snake-bite and 205 by wild beasts, the corresponding figures for 1897 being 7,928, 1,120 and 228, respectively. Violent and unnatural deaths.

There were 10,799 fires reported, 70,446 houses burnt, 24½ lakhs worth of property destroyed with a loss of 176 lives. The increase in the number of fires was large and occurred chiefly in Cuddapah, North and South Arcot, Chingleput, Tanjore, Madura and Tinnevelly. Fires.

The registration of known depredators' names in the Police registers received attention. 1,484 names were removed by reason of death, reformed habits, &c., and 2,204 new names were added. The number of known depredators, suspects, receivers and members of wandering gangs were 13,488, 1,005, 304, and 11,515, respectively; the corresponding figures for 1897 were 13,121, 918, 348 and 12,099. The number of old offenders identified and sentenced to enhanced punishment under section 75, Indian Penal Code, rose from 2,142 to 2,318. There was a further improvement in the results achieved by the Anthropometrical Central Bureau, which out of 2,667 references made, identified 392 against 215 identified out of 1,469 references in 1897. Known depredators and suspects.

The following statement shows the amount of cognizable crime, with percentages of cases in which convictions were had, of the number of persons convicted and of the amount of property recovered:— DETECTION—Cognizable crime.

| Year. | Number of cases. | Detection. | Conviction of persons. | Recovery of property. |
|---|---|---|---|---|
| 1897 ... ... ... ... | 164,007 | 76·1 | 65·6 | 24·9 |
| 1898 ... ... . ... | 172,634 | 77·2 | 66·1 | 23·3 |

The total crime reported under the Indian Penal Code decreased slightly; there was an increase of 8,860 cases under Special and Local Laws and Nuisances. Excluding these the proportion of cognizable crime to population was 1 to every 605 persons, the proportion of true crime was 1 to every 818 persons.

There were 130,262 cases against 117,116 in 1897. 63,122 ended in conviction; the percentage of property recovered to the amount lost in these cases was 18·6. Non-cognizable crime.

464 true murder cases were reported during the year against 472 in 1897. The percentage of cases ending in conviction was high in Madras City, Vizagapatam, Jeypore, Gódávari, Trichinopoly, Malabar and South Canara. It was good also in Coimbatore, Madura, Anantapur and Ganjám. Murder.

There were 362 true cases of dacoity during the year against 343 in 1897. Bellary, Anantapur, North Arcot, Tinnevelly, Salem and Coimbatore showed increase in this respect. Detection was especially good in Tanjore (76·5 per cent.) and fair in Vizagapatam, Ganjám and Coimbatore. The total percentages of detection, convictions and recovery of property were 20·9, 21·4 and 7·8 against 26·4, 33·3 and 8·3 in 1897. Dacoities.

Robbery cases advanced from 452 to 488; the percentage of conviction was 41·4 of the cases disposed of, that of persons convicted 51·3 against 39·9 and 46·7, respectively, in 1897. There was a decrease in the Northern Range, but an increase in the Central and Southern. Robberies were heavy in Cuddapah, Tinnevelly and Coimbatore. Detection was good in Tanjore. Robbery.

7,672 true cases of house-breaking were reported against 8,358 in the previous year; the percentages of cases detected and persons convicted were 39·8 and 65·1, respectively, the corresponding figures for 1897 being 41·6 and 65·9. There was a decrease in this class of crime throughout the Northern Range attributable to the comparatively low price of food-grains prevailing there. House-breaking.

Grave offences against property.

There was a further increase in the number of grave offences against property, from 8,136 to 8,351; the percentages of detection and conviction were 45·9 and 59·8 against 50·1 and 63·8 in 1897. The results were not, on the whole, as good as in 1897; the proportion of cases investigated within the year to that reported was slightly better, but the police work was less successful in the detection of cases and charging of persons. Of 1,290 grave cases, 354 were investigated by superior officers.

Ordinary thefts.

There was a fall in the total number of ordinary thefts from 13,987 to 13,436. Of police cases disposed of, the percentage of detection was 52·9, of persons convicted 59·6, and of property recovered 34·9. The decrease, which occurred mainly in the Northern Range, was due to fall in prices.

Cattle thefts.

Cattle thefts of 1898 numbered 2,893 against 2,752 in 1897; of 3,256 such cases charged during the year 1,659 or 50·9 per cent. ended in conviction, a decrease of 1·7 compared with the previous year.

Cattle-poisoning.

Out of 56 cases of cattle-poisoning reported convictions were obtained in 29, 47 persons out of 78 arrested being convicted. Property to the value of Rs. 1,326 was lost.

Offences on Railways.

Offences on railways numbered, in 1898, 919 against 851 in the preceding year. Those taken up by Magistrates fell from 757 to 559. Out of Rs. 14,480 lost, property to the value of Rs. 3,854 or 26·6 per cent. was recovered. There were 9 attempts to derail trains against 29 in 1897.

Offences against Revenue Laws.

Offences against the Abkári and Excise laws rose from 19,379 to 19,910, those under the Salt law from 6,243 to 8,448; the percentage of conviction was 96·9 in the former class of offences and 98·6 in the latter.

Offences under the Arms Act.

970 cases were reported under the Arms Act, 696 were detected. Of 884 persons arrested, 705 were convicted. The increase was common to most districts, and is attributable to the fact that delay in renewal of licenses was more rigorously dealt with.

Security cases.

The security sections were more freely resorted to in 1898, notably in Kistna. Out of 557 persons prosecuted, 319 were bound over against 479 persons prosecuted and 260 bound over in 1897.

References to and by the police.

References by Magistrates were less numerous, being 3,895 against 4,551 in the previous year. The number of cases referred by the police as false (including mistakes of law or fact) was 12,918 as compared with 12,605 in 1897; there was, however, a more than corresponding increase of crime reported during 1898. The proportion of cases struck off was 90·8 per cent. against 87 per cent. in 1897. 130,725 cases were prosecuted, of which 2·6 were declared as false as compared with 2·7 and 1·8 in 1897 and 1896, respectively. Prosecutions for false complaints numbered 233 against 205 in the previous year.

Inspections.

The Inspector-General inspected 11 districts (one twice), the Vellore school and the Madras Railway Police. The Deputy Inspectors-General of the Northern, Central and Southern Ranges inspected in all 200 stations and 23 offices during the year. Inspection by District officers was somewhat better than in the previous year.

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## REWARDS. (1898.)

The rewards disbursed during 1898 amounted to Rs. 5,873 against Rs. 9,910 in 1897 and Rs. 5,069 in 1896. Of these, Rs. 1,522 were awarded by District Magistrates, Rs. 3,360 by the Inspector-General of Police, Rs. 90 by the Inspector-General of Prisons and Rs. 901 by the Commissioner of Police, Madras, as compared with Rs. 3,373, Rs. 5,930, Rs. 167 and Rs. 440, respectively, in the previous year.

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## FACTORIES ACT. (1898.)

The number of factories coming within the purview of the Act remained almost stationary. There has, however, been a slight fall in the daily average number of operatives employed in factory labour—from 31,197 in 1897 to 30,098 during the year under report. There was a marked deficiency in the number of inspections made by non-medical inspectors. The total number of inspections which should have been made was 206, while the number actually made was 169; and in some instances factories were inspected more frequently than is actually required by the rules, whilst in the case of several others even the minimum number of inspections was not made. The allowances drawn by Medical officers amounted to Rs. 4,888 as against Rs. 2,185 in 1897. The number of women and children employed fell from 2,892 and 2,216 in 1897 to 2,654 and 2,115, respectively, in 1898. The sanitary condition of the factories has been reported to be generally satisfactory. The health of the operatives has been good. As usual, the wages earned by factory labour compared favourably with those of the ordinary agricultural labourer. The fencing of machinery was generally attended to, and the number of accidents was not appreciably increased. Three of these proved fatal as against 2 in 1897 and 6 in 1896. In 18 cases the accidents were of a serious nature. The accidents were in most instances due to carelessness on the part of the operatives themselves. There were no prosecutions under the Act during the year.

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## SULPHUR LICENSES. (1898.)

268 licenses to deal in sulphur (of which 33 were new) were in force in 1898 as compared with 270 in the previous year, and they covered 1,303 tons of sulphur as against 1,275 in 1897. The stock of a licensed vendor averaged 1·4 tons and the average quantity sold by each was 1·1 tons. The total quantities of sulphur purchased and sold during the year under report fell from 361 and 364 tons in the previous year to 270 and 284 tons, respectively. The number of licenses in force was largest in the following districts: Gódávari 37, Malabar 30, Salem 25, Coimbatore 24, and South Canara 21. The sales were highest in Madras (133 tons) and lowest in Anantapur (3 cwts.). As usual, sulphur was principally used in the manufacture of inferior gunpowder and fireworks and to a less extent for medicinal, sanitary and bleaching purposes.

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## ARMS ACT. (1898.)

The number of licenses issued under the Indian Arms Act, 1878, amounted to 72,182 against 72,704 in 1897. Variations in the several districts were noticeable, as usual, between the figures for 1898 and those for the preceding year. Nearly 89 per cent. of the total number of licenses issued during the year were in Form VIII, which covers the possession of arms and ammunition and the going armed for purposes of sport, protection or display, the figure being 64,478 against 66,843 in 1897. There was a decrease of 2,365 in the number of these licenses as compared with last year. The decrease was attributed mainly to the exercise of greater care in renewing old licenses. There was a large increase in the number of licenses issued in Coimbatore for the possession of gunpowder and fuses for blasting purposes. The licenses cover only the possession of explosives in small quantities, and the increase is attributed to greater activity among the agricultural classes in regard to the sinking of wells. In Vizagapatam and Ganjám steps were taken to limit the number of arms carried by the retainers of exempted persons. Licenses issued under the Indian Explosives Act were issued in 14 districts. No licenses were issued in Gódávari, Kistna, Kurnool, Salem, Tanjore, Tinnevelly and Trichinopoly. No information was available as to the extent to which the provisions of the rules under the Act were resorted to in Anantapur during the year. Inspections of

shops licensed under the Arms Act continued to be on the whole satisfactorily performed. North Arcot, Bellary, Chingleput, Kistna, Madras and the Nilgiris showed the best results in this respect. Inspections by the magistracy were complete in 11 districts, and in another case only 1 shop was left unvisited. The superior officers of the police completed their inspections in 12 districts and inspected all but 1 shop in two others. Two shops in the Tinnevelly district were, however, left wholly unvisited during the year. Inspections of shops licensed under the Explosives Act were also satisfactorily performed, except in Nellore where the superior officers of the police failed to inspect a single shop, and in Chingleput where all the 4 shops were left wholly unvisited. There was a large increase in the number of persons prosecuted for offences under the Arms Act and the rules framed thereunder, viz., 910 against 412 in 1897. The percentage of convictions (80) was, however, the same as in last year. There were 25 prosecutions, involving 37 persons, instituted for offences under the Explosives Act, and the rules framed thereunder against 10 prosecutions in 1897, and of these, the cases against 34 persons ended in conviction.

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## CRIME AND OFFENCES. (1898.)

Offences reported.

Excluding cases which came before Village Magistrates, there were 330,634 cases reported in 1898 as against 312,670 in the previous year. The advance was mainly due to a greater number of prosecutions under the Madras City Police Act, the District Municipalities Act and the Forest Act. The number of cases returned as true was 318,000 as against 301,304 in 1897; the increase was probably due to the rise in the number of prosecutions under Special and Local Laws mentioned above. Complaints rejected under section 203, Criminal Procedure Code, numbered 10,583 and showed a considerable advance on the corresponding figure for 1897 (9,381).

Offences under the Penal Code.

Taking the figures relating to cases returned as true, cases under the Indian Penal Code decreased by 3,918 as compared with 1897, the diminution occurred chiefly under the following heads:—(1) Criminal force and assault cases diminished from 24,616 to 21,851; the chief variations were in Madras, Chingleput, South Arcot, Kistna, Tanjore, Cuddapah, North Arcot, Gódávari and Vizagapatam. Similarly cases of hurt (of which there were 17,380 returned as true) on the whole decreased by 532 as compared with the preceding year, chiefly in Kurnool, Trichinopoly and Anantapur; the number increased in Ganjám, Kistna and Tinnevelly. (2) There were 8,787 cases of criminal trespass as against 10,008 in 1897. The fall was general (except in Trichinopoly, Madras and Malabar where there was a slight increase) and noticeable in Vizagapatam Agency, Ganjám, Gódávari and Vizagapatam. (3) Cases of mischief also declined from 6,322 to 5,686. Here also the decrease was general, except in Vizagapatam, Tinnevelly, Salem and Madras. (4) There was a falling off in the number of cases of theft, 16,330 as against 16,824 in the previous year. The decrease occurred chiefly in Kistna, Tanjore, Tinnevelly, Ganjám and Bellary, while the number increased in South Arcot, Chingleput and Nellore. The decrease was generally attributed to the favourable season. The increase in the number of offences under the following heads of the Indian Penal Code was noticeable:—(1) Offences affecting public health, safety, convenience, decency and morals advanced from 16,591 to 17,566, chiefly in Ganjám, Bellary, Gódávari, Nellore and Vizagapatam; these cases, however, diminished in Tanjore, Chingleput, South Arcot and Trichinopoly. In Ganjám the increase was attributed to the vigilance of village officers and of the Police in charging cases of public nuisance. In Bellary it was due to the steps taken to enforce the plague regulations. The fall in Tanjore was accounted for by the fact that in the previous year there were numerous prosecutions of this class on the occasion of the Mahamakham festival at Kumbakónam. (2) Robberies and dacoities increased by 101; the increase occurred mostly in Coimbatore, Salem and Tinnevelly, but there was a decrease in Kurnool. (3) Cases of contempt of the lawful authority of public servants rose from 4,243 to 4,907. The increase in these cases was especially noticeable in Bellary, Salem and Cuddapah, while the reverse was the case in Madura and Chingleput. The increase was due generally to the enforcement of the plague

regulations. (4) There was a slight increase in the number of offences relating to coin and Government stamps and of offences of criminal breach of trust. Offences affecting life numbered almost the same as in the previous year. Cases of murder slightly increased; the chief variations were in Malabar (+ 17), Coimbatore (+ 14), Salem (+ 6), Tanjore (— 11) and Kurnool (— 9). Cases of culpable homicide not amounting to murder also slightly increased in South Arcot, Kurnool and Tanjore. The number of cases of forgery was almost the same as in 1897.

Offences under Special and Local Laws.

There was a large addition of 20,614 cases (taking the number of cases returned as true and comparing it with the corresponding number in the previous year) to the number of offences under Special and Local Laws, chiefly under the following Acts:—(1) *The Madras City Police Act and Madras Municipality Act.*—Offences under the former increased from 36,062 to 43,034 and under the latter from 5,842 to 7,338. (2) *The District Municipalities Act.*—Offences under this Act advanced from 19,620 to 25,675, the increase being chiefly in Madura, Malabar, Trichinopoly, Bellary and Gódávari. The figures under this head furnished by the District Magistrate of Bellary in the previous year were incorrect, 2,488 cases under this Act having been erroneously shown under the Towns Nuisances Act. (3) *The Forest Act.*—There was an increase of 2,925 cases under this Act, the increase being common to all districts, except Bellary, South Canara, Cuddapah, Gódávari, Kistna and Kurnool, where there was a decrease and noticeable chiefly in South Arcot, Trichinopoly, Chingleput and North Arcot. The increase was said to be due to the greater attention paid by the Forest officers to the working of the Act, and the decrease in South Canara was attributed to the fact that the felling of trees, hitherto charged as an offence under the Forest Act, has latterly been dealt with under the Indian Penal Code either as theft or mischief. (4) Offences under the Salt Act rose by 1,724 cases. The increase due to the activity of Salt officers was marked in Malabar, Chingleput and Vizagapatam. (5) Offences under the Breach of Contract Act rose from 3,950 to 4,385, the chief variations being in the Nilgiris ( + 629), Gódávari (+ 198), Nellore ( — 170) and South Canara (— 143). The increase in the Nilgiris was attributed to the fact that the year under report was a very favourable one to coffee planters, and that consequently the demand for coolies increased, and advances had to be freely given. The completion in 1898 of several of the railway works that were in progress in 1897 accounted for the fall in Nellore. (6) Offences under the Hackney Carriages Act increased chiefly in Salem and Tanjore where the Act, which was introduced in the latter part of 1897, was worked the whole of the year under report. (7) The number of cases under the Arms Act was more than double that of the previous year. The increase was most marked in Tinnevelly, where there were 108 more cases than in the previous year. The increase was attributed to the vigilance of the Police, and was common to all districts except four. (8) Cases under the Towns Nuisances Act rose from 72,233 to 73,166 (the figure 74,721 furnished in the previous year being incorrect), the variations being large in Coimbatore (— 1,446), Madura (— 1,320), Kistna (— 767), Salem (— 418), Tinnevelly (+ 971), Gódávari (+ 954), Bellary (+ 691) and Vizagapatam (+ 630). The fall in Coimbatore and Salem was due to the provisions of the Act being better understood by the people, while, in Madura, it was due to want of energy on the part of the Police. The cause of increase was generally due to the greater vigilance on the part of the Police. Offences under the Abkári Act decreased from 21,420 to 20,500; the decrease was most noticeable in Malabar and South Canara, while there was an increase, as in last year, in Chingleput and Coimbatore. The decrease in Malabar was due to the steps taken by the Assistant Commissioner and the District Magistrate to prevent prosecutions for technical offences and in South Canara, to the deterrent punishment inflicted by the magistracy.

Cases and persons brought to trial and persons convicted.

111,983 cases under the Indian Penal Code affecting 248,970 persons and 201,105 cases under Special and Local Laws affecting 231,155 persons were brought to trial during the year as against 114,626, 261,295, 180,584 and 209,123, respectively, in the previous year. The percentage of convictions was 26·23 in the case of offences under the Indian Penal Code and 83·91 in the case of offences under Special and Local Laws as against 25·18 and 83·78, respectively, in the preceding year.

Cases rejected under section 203, Criminal Procedure Code.

10,132 or 8 per cent. of the total number of cases reported under the Indian Penal Code were dismissed under section 203, Criminal Procedure Code, as against 6·9 per cent. in 1897. 1,971 cases were struck off as false as against 1,891 in the previous year. The increase in the percentage of cases rejected under section 203 is in itself satisfactory, and would appear to be still more so, when it is noted that the percentage of convictions also increased considerably during the year.

Remarks on convictions under the Penal Code.

In cases of a compoundable nature, the percentage of convictions was almost the same as in the previous year. This was so in respect of cases of criminal force and assault, criminal intimidation, insult and annoyance and defamation. The proportion, however, fell slightly in cases of criminal trespass and offences relating to marriage. There was a slight advance in the percentage of convictions in cases of hurt. There was a slight decrease in the proportion of convictions in cases of theft, robbery and dacoity and in offences relating to coin and Government stamps, while there was an increase of percentage in cases of fraudulent deeds and disposition of property and extortion. The percentage of convictions fell slightly in offences affecting life, causing miscarriage and offences of rape, while it rose in cases of kidnapping and wrongful confinement.

Recapitulation.

The main features of the year under report were—(1) a decrease in the number of Village Magistrates who tried cases; (2) a decrease in the number of offences under the Indian Penal Code; (3) an increase in the percentage of cases dismissed under section 203, Criminal Procedure Code; (4) an advance in the number of prosecutions under the Special and Local Laws, chiefly under the Madras City Police Act, the District Municipalities Act, and the Forest Act; (5) a slight increase in the number of institutions under the Towns Nuisances Act; (6) an increase in the number of cases returned as true; and (7) an increased proportion of convictions under the Indian Penal Code.

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## CRIMINAL JUSTICE. (1898.)

Courts administering Criminal Justice—Number and description of Courts.

The High Court, the two Courts of the Presidency Magistrates, and the Court of the Commissioner of Police exercised criminal jurisdiction in the Presidency Town, while in the mufussal there were 5,282 Village Magistrates' Courts, 679 Courts of regular Magistrates, of whom 126 were first class, 458 second class and 95 third class. There were 27 Courts of Sessions (including Additional and Assistant Sessions Courts both "regular" and "agency").

Jurisdictional change.

During the year under report, a Bench Court with first-class powers was constituted at Ootacamund for the trial of certain classes of offences arising within the municipal limits.

Village Magistrates.

There was a great decrease in the number of Village Magistrates' Courts, chiefly in Madura, Gódávari and Ganjám, while there was an increase in Coimbatore and in Trichinopoly.

Bench Courts.

The number of working days in the Bench Courts varied from 230 in Cuddapah to 4 in Yercaud.

Special Magistrates.

The number of Special Magistrates decreased by 10. The decrease was due to the fact that in 1897 special officers were appointed on the occasion of the Mahamakham festival at Kumbakónam in the Tanjore district. The Medical officer at the Tungabhadra Railway Frontier Inspection Station was invested in 1898 with second-class powers to enforce plague regulations. In Nellore three Special Sub-Magistrates were entertained for five months to attend to criminal work consequent on the opening of famine relief test works. The number of working days in this class of courts ranged from 267 in Coonoor to 1 in Bimlipatam.

Subordinate Stipendiary Magistrates.

The fall in the number of Subordinate Stipendiary Magistrates without appellate powers was due to the appointment in 1897 of additional officers to relieve Tahsildars on account of their extra work in connection with famine.

District Magistrates.

Among District Magistrates, the Court of the District Magistrate of South Arcot worked for the greatest number of days (144), and that of the District Magistrate of Nellore the smallest (19).

In the Courts of Session, the number of working days varied from 123 in Tinnevelly to 30 in North Malabar. Courts of Session.

The number of working days in each of the Courts of the Presidency Magistrates was 274. Presidency Magistrates.

In the High Court, 146 Benches sat for the disposal of criminal work, 26 for the trial of sessions cases, and 120 for the disposal of appellate and revisional work. On the Appellate Side, 72 Benches, including 8 Benches in the vacation, sat on 72 days for the disposal of criminal business alone, and 48 Benches sat on 46 other days for the disposal of both criminal and civil work. High Court.

The table below compares the total number of institutions in the different classes of Courts during the past two years :— Business in all Courts—Comparative statement of original cases and appeals.

| | Original cases. | | Appeals. | |
|---|---|---|---|---|
| | 1897. | 1898. | 1897. | 1898. |
| Village Magistrates' Courts ... ... ... ... ... | 12,059 | 11,731 | ... | ... |
| Regular Magistrates' Courts in the mufassal ... ... ... | 242,805 | 252,504 | 8,405 | 9,188 |
| Presidency Magistrates' Courts ... ... ... ... ... | 48,706 | 57,860 | ... | ... |
| Courts of Session ... ... ... ... .. ... ... | 1,188 | 1,249 | 1,424 | 1,511 |
| High Court ... ... ... ... ... ... ... ... | 40 | 35 | 858 | 828 |
| Total ... | 304,798 | 323,379 | 10,687 | 11,527 |

Madura, Tanjore and Malabar showed the highest institutions and Kurnool, the Nilgiris and Anantapur the lowest.

The following is a comparative statement of the preventive and miscellaneous proceedings taken under the Criminal Procedure Code during the last two years :— Miscellaneous proceedings.

| | Cases disposed of. | | Persons disposed of. | | Persons convicted | |
|---|---|---|---|---|---|---|
| | 1897. | 1898. | 1897. | 1898. | 1897. | 1898. |
| Proceedings against witnesses under Chapters VI and XXXV ... ... ... ... ... | 10 | 8 | 14 | 9 | 9 | 4 |
| Proceedings under Chapter VIII, section 106... | 11 | 5 | 76 | 6 | 76 | 6 |
| Proceedings against local nuisances, Chapter X. | 85 | 84 | 206 | 283 | 21 | 2 |
| Possession, Chapter XII ... ... ... | 81 | 86 | 366 | 365 | 21 | 99 |
| Preferring of frivolous or vexatious complaints, section 250 ... ... ... ... ... | 1,730 | 1,921 | 1,730 | 1,939 | 1,730 | 1,933 |
| Non-attendance of jurors or assessors, Chapter XXIII ... ... ... ... ... ... | 28 | 24 | 28 | 24 | 28 | 14 |
| Maintenance, Chapter XXXVI ... ... | 2,225 | 2,237 | 2,225 | 2,237 | 772 | 863 |
| Forfeiture of bail or recognizance, Chapter XLII ... ... ... ... ... ... | 1,336 | 1,275 | 1,549 | 1,518 | 1,363 | 1,325 |

The provisions of section 250, Criminal Procedure Code, were more freely used than hitherto. Madura showed the highest number of persons dealt with under this section. Malabar, Gódávari and Kistna came next in order. The section seems to have been but little used in the districts of Bellary, South Canara and Chingleput. The total amount awarded as compensation to accused persons was Rs. 36,284 as against Rs. 29,325 in the previous year. Of this amount Rs. 31,842 was realized, the average amount realized being Rs. 16-7-7 as against Rs. 15-10-7 in 1897 and Rs. 15-1-9 in 1896. Cases of forfeiture of bail or bond were less frequent in the year under report. The total amount forfeited was Rs. 14,783, of which Rs. 7,008 was recovered.

73 European British subjects concerned in 67 cases were brought before the Courts for trial during the year. 66 cases involving 72 persons were disposed of in the year with the result that 34 of the persons were convicted, 23 of offences under the Indian Penal Code and the rest of offences under Special and Local Laws. European British subjects.

There was a slight decrease in the number of cases received by these Magistrates ; 11,731 cases involving 17,898 persons were received during the year. Including those pending at the beginning of the year, 12,014 cases affecting 18,389 persons were brought to trial. Of these, 11,752 cases concerning 17,881 persons Village Magistraets' Courts.

were disposed of in the year. 8,261 persons were convicted, 5,864 being simply imprisoned, and 2,397 confined in the stocks. The heaviest files were in Tanjore and Madura and the lightest in Bellary and Anantapur. The disposals generally, though smaller than in the previous year, kept pace with the receipts, and arrears slightly decreased.

REGULAR MAGISTRATES' COURTS IN THE MUFUSSAL.—(*a*) Original jurisdiction—*Institutions*—Comparative statement of work received.

The subjoined table compares the number of institutions in these Courts for the past three years :—

| — | 1896. | 1897. | 1898. |
|---|---|---|---|
| Benches of Magistrates ... ... ... ... ... ... | 67,187 | 61,571 | 73,012 |
| Special Magistrates ... ... ... ... ... .. | 4,557 | 7,223 | 4,817 |
| Subordinate Magistrates without appellate powers ... ... | 166,672 | 168,997 | 169,396 |
| Sub-Divisional Magistrates with appellate powers ... .. | 4,458 | 4,968 | 5,236 |
| District Magistrates ... ... ... ... ... ... | 72 | 46 | 43 |
| Total ... | 242,946 | 242,805 | 252,504 |
| First-class Magistrates ... ... ... ... ... ... | 5,116 | 5,574 | 6,023 |
| Second-class do. ... ... ... ... ... ... | 182,741 | 182,105 | 189,864 |
| Third-class do. ... ... ... ... ... ... | 55,089 | 55,126 | 56,617 |
| Total ... | 242,946 | 242,805 | 252,504 |

There was, on the whole, a large increase in the work for disposal in the year under report as compared with the previous years, particularly in Gódávari, Bellary, Vizagapatam, Ganjám and Trichinopoly. There was, however, a marked decrease in Kistna and Coimbatore. The files of the Benches of Magistrates increased largely on the whole, and specially in Malabar, Tinnevelly, Trichinopoly, Madura and Tanjore, while the reverse was the case in Coimbatore and Kistna. The fall in the files of Special Magistrates was noticeable chiefly in Ganjám, the Nilgiris and Madura. There was a slight increase in the files of the Subordinate Stipendiary Magistrates without appellate powers; this was most marked in Ganjám, and noticeable in Gódávari, Vizagapatam, Bellary and Nellore. There was, however, a large decrease in Tanjore, Kistna, Malabar, South Canara and Tinnevelly. The files of Sub-Divisional Magistrates with appellate powers also slightly increased, especially in Ganjám, Tanjore and Trichinopoly. There was a fall in Coimbatore, Kistna and Chingleput. The number of institutions in the Courts of the District Magistrates was almost the same as in the previous year. The District Magistrates of Gódávari, Anantapur and the Nilgiris tried the largest number of cases. The District Magistrates of Bellary, Ganjám, Malabar, Tanjore, Nellore, South Arcot, South Canara, and Kurnool received no cases.

*Disposal of cases.*

The distribution of work in the regular Magistrates' Courts is shown below for the past three years :—

| — | Disposed of. | | | Pending. | | |
|---|---|---|---|---|---|---|
| | 1896. | 1897. | 1898. | 1896. | 1897. | 1898. |
| Bench Magistrates ... ... ... ... | 67,037 | 62,234 | 72,859 | 202 | 117 | 132 |
| Special Magistrates ... ... ... ... | 4,538 | 7,365 | 4,795 | 23 | 50 | 9 |
| Subordinate Magistrates without appellate powers ... ... ... ... ... ... | 167,274 | 168,565 | 169,293 | 2,011 | 1,987 | 2,031 |
| Sub-Divisional Magistrates with appellate powers ... ... ... ... ... ... | 4,820 | 5,826 | 6,181 | 282 | 360 | 300 |
| District Magistrates ... ... ... ... | 70 | 42 | 55 | 1 | 4 | 3 |
| Total ... | 243,739 | 244,032 | 253,183 | 2,519 | 2,518 | 2,475 |
| First-class Magistrates ... ... ... ... | 5,503 | 6,446 | 7,024 | 292 | 366 | 316 |
| Second-class do. ... .. ... ... | 182,796 | 182,381 | 189,732 | 1,954 | 1,946 | 1,975 |
| Third-class do. ... ... ... ... | 55,440 | 55,205 | 56,427 | 273 | 206 | 184 |
| Total ... | 243,739 | 244,032 | 253,183 | 2,519 | 2,518 | 2,475 |

On the whole arrears in 1898 were reduced. The large increase in institutions was well met by a corresponding increase in disposals.

The total number of persons for trial was 415,608, of whom 408,626 were dealt with, 5,374 being committed or referred as against 414,972 for trial, 407,411 dealt with and 5,079 committed or referred in the previous year. The persons whose cases were finally disposed of are shown below arranged according to the classes of Magistrates who tried them and compared with the figures of the previous year :— *Disposal of persons for trial.*

| — | Discharged. | | Convicted | | | | Percentage of conviction. | |
|---|---|---|---|---|---|---|---|---|
| | | | On regular trial. | | On summary trial. | | | |
| | 1897. | 1898. | 1897. | 1898. | 1897. | 1898. | 1897. | 1898. |
| First-class Magistrates ... ... ... | 8,327 | 7,991 | 4,328 | 4,889 | 882 | 921 | 38·62 | 42·09 |
| Second-class do. ... ... ... | 184,595 | 181,647 | 115,075 | 118,298 | 21,074 | 23,952 | 43·69 | 43·92 |
| Third-class do. ... ... ... | 21,784 | 16,339 | 13,438 | 9,596 | 32,829 | 39,619 | 67·96 | 75·07 |
| Total ... | 214,706 | 205,977 | 132,841 | 132,783 | 54,785 | 64,492 | 46·65 | 48·92 |

Of those convicted, 2,844 were boys and 381 girls.

The percentage of convictions was unprecedented. The highest percentage was shown in Bellary, the Nilgiris, Vizagapatam Agency, Madura, Ganjám Agency, Chingleput and Tinnevelly, and the lowest in Gódávari, Cuddapah, Kurnool and Gódávari Agency. 6,982 persons were awaiting trial at the end of the year; 704 of them were in custody and the rest on bail or otherwise at large. 149 persons were awaiting trial for more than six months, the largest numbers in individual districts being 34 in Coimbatore and 30 in Gódávari. *Percentage of convictions.*

The number of sentences of fine increased. The average fine inflicted was Rs. 4·4 as against Rs. 4·3 in 1897 and Rs. 4·2 in 1896. Of the sentences of imprisonment 91·11 per cent. were rigorous as against 92·38 in 1897. 638 persons were sentenced to solitary confinement as against 504 in 1897; the largest number of such sentences was in Madura (131). *Punishments.*

The amounts of fines imposed, realised and paid as compensation to complainants are compared below for the last two years :—

| Years. | Imposed. | Realised. | Percentage. | Compensation to complainants. | Percentage to realization. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | |
| 1897 ... ... ... ... | 7,04,825 | 5,92,505 | 84·06 | 32,391 | 5·47 |
| 1898 ... ... ... ... | 7,69,885 | 6,40,758 | 83·23 | 29,037 | 4·53 |

Including Rs. 11,326 recovered on account of fines imposed in previous years, the total collections amounted to Rs. 6,52,084 as against Rs. 6,04,880 in the previous year. 3,597 persons were sentenced to whipping as against 4,961 in the previous year, the largest number so sentenced being in the Vizagapatam Agency (491). Of the total number, 734 were juvenile offenders, 724 being sentenced to whipping in lieu of other punishments as against 999 and 984, respectively, in the previous year.

1,426 persons were, under Act XIII of 1859 and other Special Acts, subjected to an order, not involving fine or imprisonment as against 1,834 in the previous year. Five of these persons were subjected to an order under section 562, Criminal Procedure Code, and 2 juvenile offenders to an order under section 31 (clause 1) of Act VIII of 1897. *Persons dealt with under Special Acts.*

The following statement shows the number of persons on whom appealable and non-appealable sentences were passed by the Magistracy during the year under report :— *Appealable and non-appealable sentences.*

| | Appealable. | | Non-appealable. | |
|---|---|---|---|---|
| | Regular. | Summary. | Regular. | Summary. |
| Benches of Magistrates ... ... ... ... ... ... | 221 | 63,573 | ... | 232 |
| Special Magistrates ... ... ... ... ... ... ... | 3,903 | 3 | 25 | 395 |
| Subordinate Magistrates without appellate powers ... ... ... | 123,727 | ... | 63 | ... |
| Sub-Divisional Magistrates with appellate powers ... ... ... | 3,526 | 19 | 1,269 | 262 |
| District Magistrates ... ... ... ... ... ... ... ... | 45 | ... | 4 | 8 |
| Total ... | 131,422 | 63,595 | 1,361 | 897 |
| Compare 1897 ... | 131,744 | 53,920 | 1,097 | 865 |

*Quality of work done.*

In the subjoined table the appealable sentences passed are distributed according to the classes of Courts to which appeals were preferred with the number and result of such appeals, and the figures are compared with those of the previous year :—

| | Second and Third-class Magistrates. | | First-class Magistrates. | |
|---|---|---|---|---|
| | 1897. | 1898. | 1897. | 1898. |
| Number of persons against whom appealable sentences were passed ... | 182,399 | 191,402 | ... | ... |
| Number of persons who appealed— | | | | |
| To Sub-Divisional Magistrates ... ... ... ... ... | 16,253 | 16,862 | ... | ... |
| To District Magistrates ... ... ... ... ... ... | 575 | 484 | ... | ... |
| Number of persons whose appeals were decided— | | | | |
| By Sub-Divisional Magistrates ... ... ... ... ... ... | 16,239 | 17,199 | ... | ... |
| By District Magistrates ... ... ... ... ... ... | 360 | 374 | ... | ... |
| Number of persons whose sentences were confirmed— | | | | |
| By Sub-Divisional Magistrates ... ... ... ... ... ... | 10,019 | 10,834 | ... | ... |
| By District Magistrates ... ... ... ... ... ... ... | 231 | 257 | ... | ... |
| Sub-Divisional Magistrates' Courts— | | | | |
| Percentage of appellants to appealable sentences ... ... ... | 8·09 | 8·80 | ... | ... |
| Percentage of sentences confirmed ... ... ... ... ... | 61·7 | 62·9 | ... | ... |
| District Magistrates' Courts— | | | | |
| Percentage of appellants to appealable sentences ... ... ... | 0·3 | 0·2 | ... | ... |
| Percentage of sentences confirmed ... ... ... ... ... | 64·2 | 68·7 | ... | ... |
| Number of persons against whom appealable sentences were passed ... | ... | ... | 3,265 | 3,615 |
| Number of persons who appealed ... ... ... ... ... ... | ... | ... | 2,059 | 2,170 |
| Number of persons whose appeals were decided .. ... ... ... | ... | ... | 2,071 | 2,079 |
| Number of persons whose sentences were confirmed ... ... ... | ... | ... | 1,591 | 1,566 |
| Percentage of appellants to appealable sentences ... ... ... | ... | ... | 63·06 | 60·03 |
| Percentage of sentences confirmed ... ... ... ... ... ... | ... | ... | 76·8 | 75·3 |

The percentage of confirmations increased in all the Courts except Sessions Courts where the decrease was very slight.

*Average duration.*

The average duration of cases in Bench Magistrates' Courts was reduced, that in Courts of Subordinate Magistrates remained the same as in last year (6 days) ; in the Special Magistrates' Courts it was 3 days, in the Courts of Deputy, Assistant, Joint, and District Magistrates it was 19, 16, 15, and 30 days, respectively.

*Detention of witnesses.*

400,731 witnesses were examined against 400,768 in 1897. 927 (against 928 in the previous year) were detained beyond 3 days. The amount of diet and travelling expenses paid to witnesses was Rs. 61,494 as against Rs. 39,474 in 1897. The increase was due to the fact that public servants appearing as witnesses who were hitherto paid their travelling allowances by the departments concerned were this year paid by the Courts themselves.

(*b*) Appellate and revisional jurisdiction—*Appeals.*

9,188 appeals were preferred by 17,346 persons. These figures were the highest on record. The largest number of appeals was instituted in South Arcot. Malabar and Madura came next in order. The increase was marked in South Arcot, Nellore, Ganjám and Malabar. Institutions fell in Salem, Anantapur and North Arcot. 9,229 appeals were disposed of against 8,310 in 1897 ; 364 were pending as against 434 in the previous year. The average duration of appeals before the District and Sub-Divisional Magistrates fell from 36 days to 21 days in the year under report. Among District Magistrates' Courts, pendency was high in North Arcot, South Canara and Kurnool, and in the other classes of Courts it was high in Cuddapah, Madura, Gódávari and North Arcot. Including 1,004 persons, whose appeals were pending at the beginning of the year and excluding such as died

or escaped, the appeals of 18,346 persons came up for disposal, of which the appeals of 17,573 persons were disposed of with the following results:—

| — | Rejected. | Confirmed. | Varied. | Reversed. | Quashed. | New trial ordered. | Referred. |
|---|---|---|---|---|---|---|---|
| Sub-Divisional Magistrates ... | 2,634 | 8,200 | 1,514 | 4,594 | 67 | 189 | 1 |
| District Magistrates ... | 87 | 170 | 57 | 52 | 7 | 1 | ... |
| Total ... | 2,721 | 8,370 | 1,571 | 4,646 | 74 | 190 | 1 |
| Compare 1897 ... ... | 2,106 | 8,144 | 1,526 | 4,599 | 81 | 140 | 3 |
| Percentage 1897 ... ... | 12·7 | 49·1 | 9·2 | 27·7 | 0·5 | 0·8 | .. |
| Percentage 1898 ... ... | 15·5 | 47·6 | 8·9 | 26·4 | 0·4 | 1·1 | 0·1 |

The percentage of wholly unsuccessful appellants was largest in Vizagapatam Agency (87·03) and South Arcot (80·65), and was above 50·0 in all other districts, except Cuddapah and the Ganjám Agency.

769 revision cases or 14 more than in the previous year were before the District Magistrates, 567 being brought by parties and the rest being taken up by the Courts *suo motu*. There were 869 cases before the Courts for disposal, of which 847 were disposed of. The number of persons concerned was 2,659, of whom 2,594 were dealt with during the year with the following result:— *Revision cases.*

| — | Interference declined. | Proceedings quashed. | Committal or enquiry ordered. | Referred to High Court. | Otherwise disposed of. |
|---|---|---|---|---|---|
| 1898 ... ... ... ... ... | 1,868 | 16 | 536 | 174 | ... |
| Compare 1897 ... ... ... | 1,708 | 26 | 390 | 199 | 25 |

1,249 cases were committed to the Sessions Courts for trial as against 1,188 in the previous year. The increase occurred chiefly in Coimbatore, Nellore, Madura, Tinnevelly and North Malabar, while there was a decrease in Bellary, North Arcot, Kistna and Salem. There were 1,264 cases concerning 3,323 persons actually for trial, of which 1,253 cases concerning 3,306 persons were disposed of as against 1,227 cases and 3,676 persons for trial and 1,212 cases and 3,653 persons disposed of in the previous year. The numbers of cases for disposal and disposed of were the highest in Coimbatore. Tinnevelly and Madura came next in order. Of the 3,306 persons dealt with in the year, 1,373 persons were tried by jury, 1,632 with the aid of assessors, and 24 both by jury and with the aid of assessors. In the cases of the remaining 277 persons, jurors or assessors were not chosen or their opinions were not taken. The Judges disagreed with the jury in the cases of 72 persons, and references were made under section 307, Criminal Procedure Code, in the cases of 70 persons, the largest number so referred being 17 from Kistna. 106 persons were sentenced to death subject to confirmation of the High Court under section 374, Criminal Procedure Code, and the case of a deaf and dumb person was referred to the High Court under section 341. Of the persons dealt with in the year, 1,277 persons or 40·8 per cent. were convicted as against 45·7 per cent. in the previous year. The percentage was highest in Tanjore (71·4) and lowest in Vizagapatam (15·8). It was above 30·0 per cent. in all the districts except North Arcot, Cuddapah, Kistna, Kurnool and Vizagapatam. The aggregate amount of fines imposed was Rs. 13,370 as against Rs. 18,019 in the previous year. Of this amount, Rs. 4,489 or 33·57 per cent. were realized as against 43·35 per cent. in 1897. Rs. 1,911 out of the fines imposed in previous years were also recovered during the year. The number of persons sentenced to whipping was 19 against 22 in 1897. Six of them were juvenile offenders. COURTS OF SESSION—(a) Original jurisdiction—*Institutions, results and disposals.*

Of the 1,277 sentences passed by the Sessions Courts, 1,248 were appealable; and 636 appeals were preferred by 1,032 persons. Appeals involving 1,065 persons were decided in the year, the sentences being confirmed in the case of 929 persons. The percentage of appeals to appealable sentences was 82·6 as against 65·1 in 1897. The percentage of confirmations was 87·2 as against 89·5 in the previous year. *Quality of work done.*

The average duration of sessions trials calculated from the date of commitment was 34 days as against 29 in the previous year. It was high in South Malabar, Kistna and Bellary. The average duration decreased in North Malabar and Gódávari.

*Witnesses.* The number of witnesses detained beyond three days was 1,969 as against 3,550 in 1897 and 4,070 in 1896. It was largest in Tanjore and Bellary, and smallest in Ganjám and South Arcot. There was an appreciable decrease in this respect in Cuddapah, Kurnool and South Canara, but an increase in North Arcot. Arrears decreased slightly. The amount paid as batta and travelling expenses to witnesses was Rs. 50,212 as against Rs. 50,401 in 1897.

(*b*) Appellate jurisdiction — *Appeals.* 1,511 appeals were preferred by 2,170 appellants as against 1,424 appeals by 2,059 persons in the previous year. Including 74 persons whose appeals were pending at the beginning of the year, there were the appeals of 2,229 persons for disposal, of which the appeals of 2,079 persons were dealt with during the year, leaving 91 appeals involving 150 persons pending at the end of the year. The percentage of wholly unsuccessful appellants was highest in Madura, Vizagapatam, Coimbatore and Nellore. The average duration of appeals was 26 days, *i.e.*, a day less than in the previous year. It was high in South Canara, South Arcot and Vizagapatam.

*Revision cases.* 419 revision cases concerning 1,586 accused were received in the year as against 415 cases involving 1,440 accused in 1897. Of these, 352 cases arose on application by parties and 67 were taken up by the Courts *suo motu*. Including 29 cases concerning 104 persons pending at the beginning of the year, there were 448 cases concerning 1,690 persons for disposal, of which 417 cases concerning 1,564 persons were disposed of during the year, leaving 31 cases involving 126 persons pending at the close of the year.

PRESIDENCY MAGISTRATES' COURTS— *Institutions and results.* The Commissioner of Police in his magisterial capacity disposed of 3 cases affecting 7 persons. 28,244 cases were instituted in the Egmore Court and 29,616 in the Black Town Court, in all 57,860 cases, or 9,159 more than in the previous year. The increase was due to a larger number of prosecutions under the City Police Act. Only 13 cases were pending at the close of the year. 66,526 persons concerned in 57,888 cases came up for trial, of whom 66,503 persons were dealt with, the percentage of convictions being 87·38 as against 86·57 in the previous year. The number of sentences of fine and of imprisonment increased, while the number of persons sentenced to whipping slightly decreased. 38 persons were sentenced to solitary confinement as against 17 in 1897. Of the 360 persons sentenced to whipping, 138 were juvenile offenders. 45 persons were committed to the High Court for trial. The amount of fines imposed was Rs. 65,876 as against Rs. 49,770 in the previous year. Rs. 54,558 or 82·82 per cent. was recovered as against 87·6 per cent. in 1897. Of the amount recovered Rs. 4,157 or 7·6 per cent. against 3·9 in 1897 was paid to complainants as compensation, and Rs. 6,376 levied in cases of cruelty to animals was paid to the Society for the Prevention of Cruelty to Animals against Rs. 5,180 in the previous year.

*Appeal test.* Appealable sentences were passed on 122 persons in the year. 34 sentences were appealed against. The appeals of 34 persons were decided and sentence was confirmed in 32 cases. The percentage of appeals to appealable sentences was 27·8 as against 21·6 in 1897, and the percentage of confirmation was 94·1 as against 100 in the previous year.

*Witnesses.* 13,704 witnesses were examined as against 13,963 in the previous year ; 26 of them were detained beyond three days in the Black Town Court. A sum of Rs. 846 was paid as batta.

HIGH COURT— (*a*) Original jurisdiction— (1) *Sessions cases.* 35 cases affecting 49 persons were received by the High Court for trial in the year as against 40 cases in the previous year. Of these, 20 were of theft, 3 of murder, 2 of forgery, 2 of kidnapping, and 1 of robbery. Including 5 cases concerning 5 persons pending from the beginning of the year, there were for disposal 40 cases affecting 54 persons, of which 37 cases involving 45 persons were disposed of in the year, 5 cases on plea of guilty, 4 on withdrawal, 22 on trial by common and 6 on trial by special jury. 29 cases resulted in the conviction of 33 accused, 2 cases in the acquittal of 2 accused, and in the remaining 2 cases

in which 5 persons were concerned, 2 were acquitted and the rest convicted. The percentage of convictions for all the cases taken together was 80·0 as against 88·0 in the previous year. A sum of Rs. 7,000 was imposed as fine in two cases. Rs. 5,000 was recovered in one case and paid to the complainant as compensation. 303 witnesses were examined, and a sum of Rs. 1,069 was paid as batta and travelling expenses.

(2) *Cases under s. 307, Cr.P.C.*

Including 2 cases pending at the beginning of the year, there were 26 cases submitted by Sessions Judges for disposal under section 307, Criminal Procedure Code. 22 of these cases were disposed of, the verdict of not guilty being set aside and conviction recorded in 9 cases, a like verdict upheld and the accused acquitted in 6 cases, while a verdict of guilty was set aside and the accused acquitted in 6 cases. In the remaining 1 case the verdict of not guilty was set aside and conviction recorded as regards 5 of the accused and acquittal ordered as regards the rest. The verdict of the jury was set aside in 68·2 per cent. of the cases, the references with respect to which were decided during the year as against 85·7 in 1897 and 75·0 in 1896.

(3) *Cases under s. 374, Cr.P.C.*

84 cases affecting 104 persons were received in the year for confirmation of sentences of death; including the 5 cases affecting 5 persons pending at the beginning of the year. There were in all 89 cases concerning 109 persons for disposal during the year. Of these, 78 cases affecting 96 persons were disposed of with the result that 17 persons (or 17·7 per cent.) were acquitted and 79 persons (or 82·3 per cent.) convicted as against 11·7 and 88·3 per cent., respectively, in the previous year. In the case of 62 of the 79 persons convicted, the sentence of death was confirmed and 17 were sentenced to transportation for life. The case of one of the 13 persons pending at the end of the year was reported to Government under section 471, Criminal Procedure Code, and he was ordered to be detained in the Lunatic Asylum.

(b) Appellate and revisional jurisdiction—*Appeals.*

Besides 91 appeals from sentences of death that came up for disposal with cases under section 374, Criminal Procedure Code, and 24 cases under section 307, Criminal Procedure Code, treated as appeals, 713 appeals were received during the year. Of these, 45 appeals affecting 100 persons were from judgments of acquittal and 668 affecting 1,067 persons from convictions. Including 74 appeals affecting 141 persons which were pending from the previous year, there were 787 appeals affecting 1,308 persons for disposal. Of these, 712 appeals affecting 1,179 persons were disposed of. The average duration of appeals was 33 days as against 39 in 1897 and 65 in 1896.

*Revision cases.*

The number of revision cases received during the year was 463 against 534 in 1897. 31 were pending at the beginning of the year: 442 were disposed of and 52 remained pending. In 65·84 per cent. of the total number of cases decided, the proceedings of the Courts below were not interfered with as against 68·12 per cent. in 1897. In 50 per cent. of the cases reported by Sessions Judges and 64 per cent. of those reported by District Magistrates as against 40 and 53 per cent., respectively, in the previous year, the proceedings were quashed or otherwise modified. As in the previous year in 13 per cent. of the cases in which parties moved the High Court, the proceedings of the lower Courts were interfered with.

*Miscellaneous work.*

There were 154 miscellaneous petitions for disposal, of which 151 were disposed of. 1,284 calendars of sessions trials and 85 of trials by District Magistrates, 1,352 of appeals heard by Sessions Judges and 160 of those heard by District Magistrates were received in the year. 2,840 calendars were perused during the year and records were called for in 34 cases.

SUMMARY.

The main features of the year were :—(1) a slight decrease in the amount of work received and done by Village Magistrates ; (2) a large increase of work received and done in the Courts of the Bench Magistrates and Subordinate Stipendiary Magistrates with and without appellate powers ; (3) a considerable decrease in the amount of work received and done by Special Magistrates ; (4) an increased percentage of conviction in the Courts of Magistrates of all classes ; (5) an increase in the quantity of original work done by the District Magistrates ; (6) a decrease in the number of witnesses detained for more than three days in the Courts of the Subordinate Magistrates without appellate powers and an increase in the Courts of Sub-Divisional Magistrates with appellate powers ; (7) an increase

in the number of sentences of imprisonment and fine and a decrease in sentences of whipping; (8) an increase in the original and appellate work received and done by Sessions Courts; (9) a large increase in institutions and disposals in the Presidency Magistrates' Courts; and (10) a decrease in the appellate work received and done by the High Court as also in the average duration thereof.

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## PRISONS. (1898.)

Number of jails.

The number of central jails remained the same as in the previous year, viz., 7, while the number of district jails was increased from 10 to 11 by the re-opening of the Guntúr District Jail in April 1898. The number of subsidiary jails (304) remained the same as in the previous year, but the management of the Koraput Subsidiary Jail was taken over by the Jail department in March 1898.

Number and disposal of prisoners.

The opening population of 1898 was 10,710, the highest recorded since 1894. The number of admissions was 94,282 including transfers, the highest during the previous decade; this increase was associated with the high prices of food grains. The number of discharges was 94,257 against 89,881 in 1897–98, the daily average number being 10,936·42 against 10,327·61 in the preceding year. This increase was chiefly under "convicts."

Convicts.

The number of convicts admitted by direct committal rose from 32,198 to 35,617 in the year under report. There was a further rise in the admissions by transfer from 20,230 to 22,012. The figure for 1896–97 was 15,031. The increase occurred chiefly in subsidiary jails, and was due to the admission of prisoners *en route;* while the increase in central jails was due to increased population in district jails, in consequence of which numerous transfers had to be made, and also to the peculiar circumstances of the Rajahmundry Central Jail. The daily average population of convicts showed a rise of 6 per cent., and was more in keeping with the percentage of increased admissions (10·6) than was the case last year, which was due to the absence of any unusual cause of depletion such as the jubilee releases.

Under-trial prisoners.

Although the number of under-trial prisoners received during the year (34,950) was less by 1,168 than in the year previous, yet the daily average number of under-trial prisoners (1,599·45) was larger by 6·12 per cent. in 1898 than in 1897; and is the highest on record; almost the whole increase occurred in subsidiary jails. 13,586 were released, 7,972 were convicted, 13,474 transferred, 42 escaped and 25 died. Of the 42 escapes of under-trial prisoners, 41 occurred from subsidiary jails. The mortality recorded showed a decrease of nearly one-half from the previous year. The percentage of "under-trial prisoners" convicted was 37 against 37·7 in the previous year.

Civil prisoners.

The number of civil prisoners (1,703) admitted to jail was less than in the previous year, but greater than in any year before that since 1888. The daily average population of civil prisoners was practically the same (186·64) in 1898 as in 1897. The number of State prisoners increased from 13 to 16 during the year under report.

Religion, age, sex, education, and occupation of convicts.

Out of 35,609 convicts (exclusive of criminal lunatics) admitted during the year, 911 were Christians, 2,719 were Muhammadans, 31,970 Hindus and Sikhs, and 9 were Buddhists and Jains. 522 juveniles were admitted against 458 in 1897, 376 being boys and 146 girls. The proportion of the number of juveniles to the total direct admissions rose from 1·4 to 1·5. The percentage of convicts who were illiterate fell from 89·2 to 88·8, and that of those able only to read from 3·4 to 2·9, while 8·3 per cent. could both read and write. 54·35 per cent. of the convicts were of the agricultural class against 51·98 in 1897, and 13·00 per cent. were in service, 6·18 in commerce, and 5·31 in mechanical arts, &c.

Length and nature of sentences.

The percentage of sentences of one month and below showed an increase (57·65 against 54·36 in 1897), and there was a small percentage (·02) of convicts sentenced to transportation for a term less than life. The annexed statement compares the percentages for 1898 and 1897:—

| — | 1897. | 1898. |
|---|---|---|
| Not exceeding one month ... | 54·36 | 57·65 |
| Above one month and not exceeding three months ... | 19·99 | 19·00 |
| Above three months and not exceeding six months ... | 14·23 | 13·27 |
| Above six months and not exceeding one year ... | 5 21 | 4·39 |
| Above one year and not exceeding two years ... | 2·86 | 2·60 |
| Above two years and not exceeding five years ... ... | 1·89 | 1·82 |
| Above five years and not exceeding ten years ... ... | ·81 | ·62 |
| Exceeding ten years ... ... ... ... ... | ·04 | ... |
| Transported beyond seas— | | |
| For life ... ... ... ... ... ... ... ... | ·40 | ·35 |
| For a term ... ... ... ... ... ... ... | ... | ·02 |
| Sentenced to death ... ... ... ... ... ... | ·21 | ·28 |
| Total ... | 100·00 | 100·00 |

Previous convictions and identification of prisoners.

Of the total direct admissions 12·64 per cent. were found to have been previously convicted; 2,516 convicts in central and district jails were recognized, or confessed themselves to be "habituals." Of 522 juvenile convicts admitted, 48 or 9 per cent. had been previously convicted. The question of introducing the system of finger-prints as a means of identification is under consideration, experiments having been undertaken to that end during the year.

Escapes.

The total number of escapes from central and district jails was 14 as compared with 20 during the previous year. There were 4 escapes of convicts representing one occurrence from inside central jails. This was at the Coimbatore Central Jail where the prisoners escaped by cutting, in the first instance, a bar in a door by means of a file which one of them had secreted. Three escapes representing 2 separate occurrences occurred from inside district jails. Of these, 2 newly-admitted prisoners who were undergoing quarantine concealed themselves in a temporary shed just about the time of lock-up and made their way out later on through the roof. The remaining 7 escapes were all from outside district or central jails. Of the 14 escaped, 9 were re-captured. During the year under report 10 convicts and 41 under-trial prisoners escaped from subsidiary jails guarded by police as compared with an average of 13·5 and 43·7 per annum, respectively, during the last ten years.

Jail offences and punishments.

The number of criminal offences fell from 23 to 20, the decrease being due partly to fewer prisoners being prosecuted for escape, partly to the fact that Superintendents availed themselves less often of the provisions of section 52 of the Prisons Act. The ratio of punishments to the total jail population rose from 21·33 to 22·51. The total number of jail offences was 14,985; whipping was inflicted in 85 cases and minor punishments were awarded in 11,618 cases. The corresponding figures for last year were 12,979, 93 and 1,004, respectively. A general review of offences and punishments shows an increased number of warnings, a reduction in the infliction of penal diets, and a continued fall, 8·6 per cent., in the number of corporal punishments. Owing to the continued operation of the jubilee remissions, the number of prisoners released was 7·1 per cent. greater than in 1897. The mark system proved of the highest utility. 15 prisoners released, who came under the system, failed to gain remission.

Employment of convicts as prison officers.

The ratio per cent. of the average number of convicts employed as officers to the average number of convicts was 6·39 and 2·92, respectively, for males and females. There was an increase in the number of punishments from 76·9 in 1897 to 99·7 per cent. in 1898.

Diet scale.

The revised diet scale, which was made applicable in 1897 to all jails in the Presidency, proved in every way satisfactory. The charges under "diet," however, rose from Rs. 3,27,842 to Rs. 3,69,395 with a rise in the cost per head of average strength from Rs. 32–1–10 to Rs. 34–2–6.

Financial.

The total expenditure of the department was Rs. 11,99,730, exceeding that of 1897 by Rs. 40,432. The increase occurred mainly under diet and was due to high prices of food-grains and to a larger number of admissions. The increase in admissions and the prevalence of sickness in the Rajahmundry Jail swelled the charges under "transfers." There were also advances under the heads "clothing and bedding," "petty construction and repairs," and "manufactures" and smaller

advances under "establishment" and "extraordinary charges for live-stock, tools and plant," and savings under the heads "general supervision," "hospital charges," "sanitation charges" and "charges for police custody." The cost per head of daily average population rose from Rs. 69–2–10 to Rs. 69–15–2. The total cash earnings of the year amounted to Rs. 1,87,659 against Rs. 41,418 in the previous year. This result was the highest on record. The prompt adjustment by the Accountant-General of all invoices forwarded to him enabled the jails to take full credit for the manufacturing operations of the year. The total manufacturing profits of the year amounted to Rs. 1,29,367, exceeding those of previous years excepting 1895 and 1896. This sum, however, did not represent all the *true* manufacturing profits of the year, since under recent orders the stock of manufactured goods on hand at the end of the year was valued at their *cost* price, and not at their *selling* price. The reason for this was that experience showed that not infrequently expectations were not realized in the sale of manufactured articles in stock. The net cost per head for maintaining and guarding prisoners fell from Rs. 65–3–0 to Rs. 52–13–0. The total value of supplies of articles made in jails for jail use was Rs. 38,125 as compared with Rs. 24,933 in 1897. The value of vegetables grown by jail labour and supplied to prisoners was Rs. 15,817 as compared with Rs. 14,636 in 1897, equivalent to a saving of Rs 1–12–10 and Rs. 1–12–4 per head in central and district jails, respectively.

**Employment of convicts.** The average number of convicts employed as prison officers was 536·76, as prison servants 703·52, in gardening 1,065·20, in preparing articles for jail use 1,339·09, and on jail repairs 292·73. 307·47 were employed on additions and alterations, 147·02 on new jails, 3,464·97 on manufactures. The average earnings per head of the average number employed on manufactures were Rs. 54–3 against Rs. 13–7 and Rs. 50–7 in 1897 and 1896.

**Health of prisoners.** Judged by the standard of high prices and a full jail population, the general health of the prisoners during 1898 must be regarded as particularly favourable. There were only 287 deaths as compared with 490 in the year previous; the ratio per mille of daily sick fell from 30·2 to 26·9, while the rate of mortality fell from 47·5 to 26·2. There was entire freedom in central and district jails from epidemic cholera, and a decrease in the rate of admissions to hospital for dysentery, though the rate of mortality from this disease remained about the same. The number of deaths from diarrhœa in all jails fell from 19 in 1897 to 6 in 1898. The ratio of admissions and deaths from malarial fevers remained stationary. The admissions into hospital fell from 6,936 to 6,325. Mortality was heaviest in the Rajahmundry Central Jail, where a disease believed to be "beri-beri," prevailed for some months in epidemic form. The epidemic was met by energetic sanitary measures, which it is to be hoped, will prevent a recrudescence of the disease. Compared with last year there was an advance of 1·6 in the ratio per cent. of prisoners gaining weight and a very slight increase (·3) in that of those losing weight.

**Burmese convicts.** During the year 1898, 51 Burmese convicts were re-transferred to Rangoon and 4 died, so there were on the rolls at the close of the year only 206 convicts. Of these, 150 were under life sentences and 56 sentenced to a term of years.

**Inspections.** Every central and district jail was inspected once during the year, while the Penitentiary, Madras, with the Criminal Leper Ward and the Civil Jail, Madras, and the Central Jail, Rajahmundry, were inspected twice. The Lunatic Asylums at Madras, Calicut and Waltair and the Reformatory School, Chingleput, were duly inspected during the year, as also were 14 subsidiary jails.

**Jail buildings.** The Cuddalore District Jail, the first constructive work of any magnitude undertaken by the Jail department, was completed during the year. The savings effected were Rs. 81,283 on the estimate.

**Summary.** The general features of the year were: (1) a continued rise in the jail population associated with high prices of food-grains, but unaccompanied with unusual sickness and mortality; (2) an increase in the number of jail offences and punishments; the comparative absence of grave offences, and the great increase in the number of "warnings" and the satisfactory reduction of penal diets and corporal punishment; (3) an advance in the gross cost per head of maintenance

and an increased dieting charge; (4) a remarkable improvement in manufactory outturn; (5) the absence of epidemic cholera and a decrease in the sick and death-rates; (6) the unusual sickness and mortality in the Rajahmundry Central Jail; and (7) the completion of the new Jail Manual.

## VAGRANCY. (1898.)

The following statement compares the admissions into, and the departures from, the Government workhouse of vagrants during 1897 and 1898 :—

| Admissions. | 1897. | 1898. | Departures. | 1897. | 1898. |
|---|---|---|---|---|---|
| European British subjects ... ... | 5 | 11 | Absconded ... ... ... ... | 4 | ... |
| Other British subjects ... ... ... | 1 | 10 | Obtained employment ... ... ... | 2 | 4 |
| Australians ... ... ... ... | 3 | . | Remanded to Her Majesty's Penitentiary, pending despatch to America. | 1 | ... |
| Remaining at the close of the year ... | 1 | 1 | Released under section 16 of the Act. | 2 | 6 |
| | | | Left the workhouse ... ... ... | ... | * 3 |
| | | | Remained at the close of the year ... | 1 | 9 |
| Total ... | 10 | 22 | Total ... | 10 | 22 |

* One was removed by a friend and two were sentenced to one month and six weeks' rigorous imprisonment under section 20 of the Act.

Of the vagrants admitted, 1 was a sailor, 9 were soldiers, 1 was a clerk, 6 were mechanics and railway employés and 4 were otherwise employed. The daily average population of the workhouse was 2·85 as against ·8 in 1897. The longest period of confinement rose from three months and eight days to four months and eleven days. The total expenditure incurred during the year was Rs. 1,916, the figure for 1897 being Rs. 1,558. The average cost of each inmate was Rs. 73–2–1 against Rs. 131–10–6 in the previous year.

## PUBLIC CHARITIES. (1898–99.)

Monegar Choultry and connected charities.

The total receipts of the Monegar Choultry, the Native Infirmary, the Foundling Asylum and Rája Sir Savalai Ramaswamy Mudaliyar's Lying-in Hospital amounted to Rs. 22,636, and the expenditure to Rs. 21,570 as detailed in the subjoined statement:—

| — | Receipts. | — | Expenditure. | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Establishment. | Feeding charges. | Medical charges. | Clothing. | Miscellaneous. | Total. |
| | Rs. A. P. | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| Donation from Government ... | 8,337 8 11 | Depot Choultry ... | 1,908 13 11 | 3,172 7 10 | ... | 137 8 0 | 263 8 7 | 5,482 6 4 |
| Donation on account of the late Nabob's contribution ... | 1,050 0 0 | Foundling Asylum. | ... | 60 12 2 | ... | ... | ... | 60 12 2 |
| Donation on account of Foundling Asylum ... | 492 0 0 | Native Infirmary. | 1,519 5 9 | 6,561 1 10 | 2,318 8 9 | ... | ... | 10,399 0 4 |
| Donation on account of the batta paid to poor pregnant women attending the Lying-in Hospital ... ... | 300 0 0 | Rája Sir Savalai Ramaswamy Mudaliyar's Lying-in Hospital ... | 2,050 9 1 | 1,843 2 9 | 491 3 3 | 297 5 8 | ... | 4,682 4 9 |
| Donation on account of municipal assessment. | 457 8 0 | Municipal assessment on buildings and petty repairs, &c. ... | ... | ... | ... | ... | 945 13 3 | 945 13 3 |
| Interest on Government and other securities ... | 7,430 13 4 | | | | | | | |
| Subscriptions and donations ... | 825 7 0 | | | | | | | |
| Special contribution from the Madras Municipality ... ... | 2,500 0 0 | Total for 1898 ... | 5,478 12 9 | 11,637 8 7 | 2,809 12 0 | 434 13 8 | 1,209 5 10 | 21,570 4 10 |
| Miscellaneous ... | 1,242 15 10 | | | | | | | |
| Total ... | 22,636 5 1 | Total for 1897 ... | 5,379 15 7 | 10,391 8 1 | 2,645 6 3 | 813 8 0 | 1,901 0 7 | 21,131 6 6 |

There was an increase in the number of paupers fed during the year, the average daily number being 86·12 for the Depot Choultry and 103·29 for the Native Infirmary against 73·14 and 88·93, respectively, in the previous year. The average cost of feeding each pauper a day in the Depot Choultry was As. 1–7 and in the Native Infirmary As. 2–9½ against As. 1–7 and As. 2–10½, respectively, in 1897. In the Asylum for Foundlings, the daily average number of children relieved was 4 against 2·24 in the previous year. The average cost per head was 8 pies against 10¼ pies in the previous year. The total number of women admitted for accouchement in the Rája Sir Savalai Ramaswamy Mudaliyar's Lying-in Hospital during the year was 1,392, or 228 more than in 1897. The cost of dieting was Rs. 1,554 against Rs. 1,507 in 1897. There was a decrease in the average cost per head, from Rs. 1–4–8 to Rs. 1–1–10, due to reduction in the items charged under the head "Extras." The batta granted to poor women before confinement amounted to Rs. 289 against Rs. 328.

Rája of Venkatagiri's Choultry.

The receipts during the year amounted to Rs. 4,037; including the balance on hand, viz., Rs. 3,811, the total sum to the credit of the charity was Rs. 7,848, of which Rs. 4,810 were expended in relieving the poor. The daily average number of in-door paupers fed in the choultry was 45·89, and the number of out-door paupers receiving one-fourth measure of rice a day was 112·77. The corresponding figures for the previous year were 41·51 and 106·76. The cost of relieving each pauper was As. 1–7.

Triplicane Langerkhána and money doles to the Muhammadan poor.

The following statement compares the receipts and charges of the Triplicane Langerkhána for the last two years:—

| Receipts. | 1897-98. | 1898-99. | Charges. | 1897-98. | 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| Government contributions ... | 5,483 | 5,155 | Pauper inmates ... ... ... | 166 | 99 |
| | | | To out-door paupers— | | |
| Interest ... ... ... ... | 105 | 87 | Cooked rice ... ... ... | 2,118 | 1,793 |
| | | | Raw rice ... ... ... | 2,914 | 2,406 |
| Miscellaneous ... ... ... | 334 | 338 | Money doles ... ... ... | 92 | 92 |
| | | | Establishment ... ... ... | 773 | 774 |
| Sale of Government promissory note ... ... ... ... | ... | 950 | Contingent charges ... ... | 106 | 97 |
| Total ... | 5,922 | 6,530 | Total ... | 6,169 | 5,261 |
| Opening Balance ... | 320 | 73 | Closing Balance ... | 73 | 1,342 |
| Grand Total ... | 6,242 | 6,603 | Grand Total ... | 6,242 | 6,603 |

There were in all during the year 4,021 paupers against 4,338 in 1897–98, and the average expenditure per mensem was Rs. 438 against Rs. 514 in the previous year. The cost of each pauper per mensem fell from Rs. 1–6–9 to Rs. 1–4–11, while the closing balance increased from Rs. 73 to Rs. 1,342. The reduction in the average cost per head was due to the price of rice having become favourable so early as September and October. The average monthly expenditure on account of the 40 Muhammadan paupers nominated by the Paymaster, Carnatic Stipends, was Rs. 49–6–7 against Rs. 49–13–3 in 1897–98. There were 17 female Mussalman paupers of Mylapore and Triplicane in receipt of money doles at the close of the year against 16 at the beginning.

## CIVIL JUSTICE. (1898.)

(A) Territorial changes.

The following jurisdictional changes took place during the year: in Ganjám the jurisdictions of all the District Munsifs were altered. The Subordinate Judge of Bellary and Salem worked at Bellary till 4th April 1898; the Court was then transferred to Vizagapatam where it worked from 6th June 1898 till the end of the year. The Subordinate Judge's Court of South Canara, which was temporarily transferred to Nellore in 1897, worked there till 3rd May 1898 and was similarly retransferred to Mangalore from 4th July 1898. The Subordinate Judge's Court of North Malabar was temporarily transferred from 1st March 1898 to Trichinopoly

where it worked till the end of the year; and in consequence the District Judge of North Malabar was invested with small cause jurisdiction throughout the district excluding the Wynaad amshoms. The temporary Sub-Court, Tinnevelly, was abolished from 1st July 1898. The officer who presided over the District Munsifi of Sholinghur was invested with extended small cause powers up to Rs. 100. 13 District Munsifs' Courts, 4 Subordinate Judges' Courts and the Special Assistant, Gódávari, continued to exercise the powers of a District Court under section 26 of the Succession Certificate Act VII of 1889; 18 District Munsifis were presided over by officers invested with extended small cause powers up to Rs. 200 and 9 up to Rs. 100.

(B) COURTS ADMINISTERING CIVIL JUSTICE—Classes of tribunals.

Civil justice was administered in the Presidency Town by the Presidency Court of Small Causes, the City Civil Court and the High Court; in the Mufassal by 4,774 Village Courts, 67 Revenue Courts, 1 Cantonment Court of Small Causes, 138 District Munsifs' Courts, 21 Subordinate Judges' Courts and 23 District Courts. The number of Village Courts which exercised jurisdiction was 386 more than in 1897. The increase was noticeable in Madura, Tanjore and North Arcot, while there was a decrease in Nellore and Salem. Owing to faulty returns for Madura and Salem for 1897, the apparently large increase and decrease, respectively, in the number of Village Courts in these two districts for 1898 must be discounted. The rise in Tanjore was due to the growing popularity of Village Courts and in North Arcot to the favourable season. The decrease in Nellore was probably due to the unfavourable character of the season in the taluks of Udayagiri and Kanigiri. The system of trial by Bench Courts under section 9 of the Village Courts Act continued to be in force in the same ten districts as in the previous year. The fall in the number of Revenue Courts mainly occurred in Tanjore, South Canara, Coimbatore and Cuddapah. The number of Agency District Munsifs' Courts was increased by 2. The average number of working days in the regular District Munsifs' Courts was 234, the figure being highest in Chicacole and lowest in Chittoor. Among the Subordinate Judges' Courts, the Sub-Courts of South Canara, of Bellary and Salem, and of North Malabar, had no small cause jurisdiction while they were stationed at Nellore, Vizagapatam and Trichinopoly, respectively. The Sub-Court at Cochin had no appellate powers. The only Subordinate Courts which exercised direct appellate powers were those of Cocanada and the Nilgiris. Five Assistant Agents exercised appellate powers as against 4 in 1897. The average number of working days in the Subordinate Judges' Courts was 212 as against 211 in 1897, the highest number being 241 in the Sub-Court of Madura (East) and the lowest 157 in the Sub-Court of Cochin. The District Courts of Ganjám, North Malabar, Nellore, Salem and Trichinopoly exercised small cause jurisdiction. The average number of working days in the District Courts was 131 as against 135 in 1897, the highest figure being 196 in North Malabar and the lowest 37 in Kurnool. The number of working days in the Presidency Court of Small Causes was 270, inclusive of 42 sittings held in the vacation. The City Civil Judge sat for 219 days. There were 192 regular Court days in the High Court. The number of sittings on the Original Side was 184 for the disposal of original suits, 33 for insolvency work and 26 for criminal sessions; while on the Appellate Side there were 359 sittings for the disposal of civil business, 72 for criminal business and 48 for civil and criminal business together.

(C) THE LITIGATION OF THE PRESIDENCY—(I) All Courts together—

The number of suits instituted during the year rose from 362,512 to 373,792, while that of appeals decreased from 12,171 to 11,177. The increase in suits instituted was chiefly due to an increase of 9,066 suits instituted before District Munsifs, and of 3,341 suits before Village Munsifs. On the other hand, institutions in the Presidency Court of Small Causes and in Revenue Courts (excluding the Agency Tracts) receded from 24,109 and 8,968 to 22,286 and 8,430, respectively. Tanjore, Madura and Tinnevelly were the districts in which litigation was heaviest.

(II) VILLAGE COURTS.

The number of suits instituted in Village Courts amounted to 98,249, which surpassed even the record total (94,908) of the previous year. The most noticeable increases were in Gódávari, Kistna, Kurnool, North Arcot and Coimbatore, while there was a large decrease in Salem, Madura and South Arcot. In Anantapur and Cuddapah the institutions before Village Courts were lowest. The number of suits not exceeding Rs. 20 in value was 97,264 as against 93,903 in 1897. The

number of small causes of the same class instituted before District Munsifs' Courts was 60,069 as against 55,631 in 1897.

(III) REGULAR COURTS IN THE MUFASSAL — (a) Original litigation.

The institutions in Revenue Courts fell from 8,968 to 8,430; the decrease was noticeable in Kistna, North Arcot and Madura. There was, however, an increase in Chingleput and Nellore. The number of suits instituted in the Agency Courts of all classes except Village Munsifs fell from 994 to 956. The institutions of ordinary suits and small causes in all Munsifs' Courts, except those in the Agency Tracts, rose from 83,231 and 126,956, respectively, to 85,173 and 134,080. The largest increase was, as regards ordinary suits, in Vizagapatam, Gódávari, Kistna, South Malabar and Cuddapah. There was a decrease of 1,360 suits, however, in South Arcot. As to small causes, there was an increase in Madura, Nellore, Vizagapatam, Kistna, but a decrease in South Arcot. Exclusive of cases instituted in the Courts of Assistant Agents and in the Cantonment Court at St. Thomas' Mount, the number of ordinary suits instituted in Sub-Courts was 932 as against 769 in 1897. Small causes advanced in number from 19,923 to 20,635. 445 ordinary suits were filed in District Courts, or 44 less than in the previous year. In small causes there was an increase of 1,027 suits, towards which the District Court of North Malabar contributed 952 owing to the absence of the Sub-Court. The accompanying statement shows considerable fluctuation in value in ordinary suits. The high average value of ordinary suits in Sub-Courts in 1897 was due to the fact that 4 suits were filed in the Madura Sub-Courts, the aggregate value of which amounted to Rs. 63,63,040. The increase in the average value of suits in Agency Courts was due to the institution in the Agent's Court at Vizagapatam of 1 suit valued at Rs. 6,16,825 :—

| | Average value. | |
|---|---|---|
| | 1897. | 1898. |
| *Ordinary Suits.* | Rs. | Rs. |
| Revenue Courts | 43 | 41 |
| Agency Courts | 168 | 784 |
| District Munsifs' Courts | 206 | 208 |
| Subordinate Judges' Courts | 14,309 | 7,350 |
| District Courts | 9,735 | 6,882 |
| *Small Causes.* | | |
| Cantonment Court of Small Causes | 69 | 52 |
| District Munsifs' Courts | 30 | 30 |
| Subordinate Judges' Courts | 144 | 142 |
| District Courts | 225 | 175 |

(b) Appellate litigation.

8,998 regular and 408 miscellaneous appeals were preferred during the year as compared with 9,500 and 356 in the previous year. The following statement classifies appeals according to the Courts in which they were filed and compares them with the figures for 1897 :—

| | 1897. | 1898. |
|---|---|---|
| Revenue Courts | 2,471 | 2,005 |
| District Munsifs' Courts | 6,797 | 6,780 |
| Subordinate Judges' Courts | 185 | 151 |
| Agency Subordinate Courts | 36 | 54 |
| Others | 11 | 8 |
| Total | 9,500 | 8,998 |

The decrease in Chingleput, Kistna, Tanjore and Ganjám was due to the absence of batches of rent appeals but there was a considerable increase in Nellore, Gódávari, South Malabar and Madura.

(IV) PRESIDENCY COURT OF SMALL CAUSES.

In the Presidency Small Cause Court, 22,286 suits were filed against 24,109 in 1897. The average value of suits rose from Rs. 59 to Rs. 65. The number of applications for ejectment of tenants was 521 as against 465 in 1897.

(V) THE CITY CIVIL COURT.

The number of suits instituted in the City Civil Court fell from 381 to 351, but the average value of suits rose from Rs. 647 to Rs. 821. There was a remarkable decrease from 112 to 60 in the number of suits instituted not exceeding Rs. 100 in value, while suits valued between Rs. 1,000 and Rs. 2,500 rose from 89 to 110.

(VI) HIGH COURT—(a) Original litigation.

The number of suits instituted fell from 327 to 233. Of these one was of a nature cognizable by the City Civil Court, the High Court having concurrent jurisdiction under section 16 of the City Civil Court Act. The average value of the suits instituted was Rs. 16,020.

(b) Appellate litigation.

The total number of appeals filed in the High Court fell from 2,798 to 2,316, the average for 1892—96 being 2,324; of these, 1,799 were second appeals from Mufassal Courts, and 307 were appeals from original decrees of Mufassal Courts as against 2,229 and 347, respectively, in 1897. There were 44 first appeals from decrees and 74 from orders passed by a single Judge of the High Court as against 70 and 8, respectively, in 1897. First appeals from orders of Mufassal Courts fell from 118 to 60. There were 1,618 appeals from decrees and orders of District Courts and 547 from those of Subordinate Judges' Courts as against 1,879 and 815, respectively, for the previous year. The aggregate and average values of appeals from original decrees were Rs. 27,69,365 and Rs. 8,905 as against Rs. 87,72,187 and Rs. 27,760 in 1897, and those of appeals from appellate decrees were Rs. 4,45,419 and Rs. 258 as against Rs. 5,70,354 and Rs. 291 in 1897.

(D) BUSINESS IN THE COURTS—(a) Original jurisdiction—*Suits.*

The following table shows the number of ordinary suits and small causes dealt with in the various classes of Courts in the mufassal in 1898 and compares the arrears at the end of the year with those at the end of 1897 :—

| — | Pending at the end of 1897. | For disposal in 1898. | Disposed of in 1898. | Arrears at the end of 1898. |
|---|---|---|---|---|
| *Ordinary Suits.* | | | | |
| Village Courts ... ... ... ... ... ... | 7,971 | 106,220 | 98,715 | 7,505 |
| Revenue Courts ... ... ... ... ... ... | 4,115 | 12,961 | 9,801 | 3,160 |
| Agency Courts ... ... ... ... ... ... | 258 | 1,228 | 1,049 | 179 |
| District Munsifs' Courts ... ... ... ... | 23,260 | 109,980 | 87,250 | 22,730 |
| Subordinate Judges' Courts ... ... ... ... | 513 | 1,589 | 945 | 644 |
| District Courts ... ... ... ... ... ... | 478 | 886 | 512 | 374 |
| *Small Causes.* | | | | |
| Cantonment Court of Small Causes ... ... ... | 14 | 274 | 257 | 17 |
| District Munsifs' Courts ... ... ... ... | 9,186 | 144,589 | 135,565 | 9,024 |
| Subordinate Judges' Courts ... ... ... ... | 2,958 | 23,369 | 20,372 | 2,997 |
| District Courts ... ... ... ... ... ... | 146 | 2,343 | 2,046 | 297 |

(I) VILLAGE COURTS.

Arrears in Village Courts were reduced notwithstanding the large increase in litigation.

(II) REGULAR COURTS IN THE MUFASSAL—(a) Original jurisdiction—*Suits.*

In Revenue Courts both the amount of suits for disposal and of those disposed of fell short of the corresponding figures for 1897. Disposals were largest in Nellore, Tanjore, Chingleput, North Arcot, Gódávari and Kistna. Taking both contested and uncontested suits, the average duration was highest in Gódávari, Nellore and Madura. Excluding Agency Courts, out of 2,005 appeals preferred, 1,763 were decided, of which 947 proved unsuccessful. The number of suits for disposal in Agency Courts was 1,228, of which 1,049 were disposed of as against 1,214 and 956, respectively, in 1897. The average duration of uncontested suits was high in Parlákimedi and in the Agent's Court, Gódávari, and of both contested and uncontested suits in Golkonda and in the Court of the Special Assistant Agent, Gódávari. The number of suits for disposal and disposed of in the Cantonment Court was 274 and 257 as against 268 and 254, respectively, in the previous year. In District Munsifs' Courts there were 109,980 ordinary, and 144,589 small cause suits for disposal, of which 87,250 ordinary suits and 135,565 small causes were disposed of. The increase in disposals is noteworthy, the number being the highest on record. 61,333 appealable decrees and orders were passed and 6,780 were appealed against, the appeals in 4,792 cases proving unsuccessful. Arrears on the whole were reduced. The average duration of uncontested ordinary suits was high

in Gudalur and Gudiváda; that of contested suits was high especially in Ellore, Tanuku (Gódávari), Bezwada, Gudiváda and Guntúr. In Subordinate Judges' Courts out of 1,589 ordinary suits and 23,369 small causes, 945 of the former and 20,372 of the latter were disposed of as against 980 and 20,256, respectively, in 1897. 656 ordinary suits and 5,737 small causes were contested. Out of 759 appealable decrees, 151 and 98 were appealed against to the District Courts and the High Court, respectively. The number of appeals decided was 349, of which 211 were unsuccessful. There was an increase of arrears both of ordinary suits and small causes. The duration of uncontested ordinary suits was high in Nellore and of contested suits in Masulipatam, Tinnevelly, Tanjore and Kumbakónam. There were, in District Courts, 886 ordinary suits and 2,343 small causes for disposal as against 989 and 884, respectively, in 1897; 512 ordinary suits and 2,046 small causes were disposed of, the number contested being 373 and 533, respectively. Arrears of ordinary suits decreased from 478 to 374, while small causes rose from 146 to 297. 208 appeals from original decrees were preferred to the High Court; 241 were decided, of which 107 were unsuccessful. The duration of both contested and uncontested suits was high in Kurnool, Cuddapah, Chingleput and Ganjám and that of contested suits in Tinnevelly, Kistna, South Arcot and Trichinopoly.

*Execution.* The number of applications for execution of decrees which came up for disposal in the different classes of Courts in the mufassal rose from 237,490 to 266,973, of which 238,266 or 89 per cent. were disposed of. The number instituted as well as the number disposed of increased in all classes of Courts, except Revenue Courts where there was a decline in both respects. In the Cantonment Court of Small Causes the institutions remained the same while disposals fell slightly. There was greater celerity in the disposal of execution applications in District, Revenue and the Agency Courts than in the previous year. 1,032 judgment-debtors (against 1,051 in 1897) were imprisoned in execution of decrees.

*Insolvency.* 772 applications for declaration of insolvency came up for disposal, of which 601 were disposed of and 171 remained pending.

*Miscellaneous cases.* 362,887 miscellaneous applications came up for disposal in the several classes of Courts, of which 353,657 were disposed of.

(b) Appellate jurisdiction. The table given below compares the number of appeals from decrees before each class of superior Courts in the mufassal for the last two years :—

| — | For disposal. | | Disposed of. | | Pending. | |
|---|---|---|---|---|---|---|
| | 1897. | 1898. | 1897. | 1898. | 1897. | 1898. |
| Agency Courts ... ... ... ... ... | 43 | 65 | 32 | 57 | 11 | 8 |
| Subordinate Judges' Courts ... ... ... | 3,690 | 3,020 | 2,972 | 2,277 | 718 | 743 |
| District Courts ... ... ... ... ... | 12,910 | 11,651 | 8,061 | 7,785 | 4,849 | 3,866 |

In Subordinate Judges' Courts disposals were highest in Masulipatam; the duration of uncontested appeals was high in Masulipatam and Kumbakónam; that of contested appeals was highest in Bellary. 432 second appeals were preferred from the appellate decrees of Subordinate Judges. The number decided was 630, of which 528 were unsuccessful. The proportion of unsuccessful appeals was larger than in 1897. In District Courts 239 appeals were rejected under section 551, Civil Procedure Code. The average duration of both uncontested and contested appeals was high in Kurnool, Vizagapatam, Trichinopoly, Cuddapah, South Arcot and Kistna. 1,367 second appeals were preferred from the appellate decrees of the District Courts. The number decided was 1,494, of which 1,048 proved unsuccessful. Arrears decreased from 4,849 to 3,866 owing to the decrease in institutions as also to the working of the Sub-Courts at Trichinopoly and Vizagapatam.

(c) Business of all kinds. The following statement shows the total amount of work done in each of the three principal classes of regular Courts in the mufassal during the year as compared with 1897 and the average of the preceding five years :—

| — | | Suits. | | Appeals. | | Petitions. | | | Criminal. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Ordinary. | Small causes. | Regular. | Miscellaneous. | Execution. | Insolvency. | Miscellaneous. | Sessions cases. | Appeals and revision cases. |
| District Munsifs. | Average for— | | | | | | | | | |
| | 1892—96... | 76,872 | 115,226 | ... | ... | 165,793 | 338 | 265,225 | ... | ... |
| | 1897 ... | 81,690 | 126,169 | ... | ... | 186,662 | 414 | 278,841 | ... | ... |
| | 1898 ... | 87,250 | 135,565 | ... | ... | 211,250 | 484 | 297,571 | ... | ... |
| Subordinate Judges. | Average for— | | | | | | | | | |
| | 1892—96.. | 897 | 17,412 | 2,738 | 36 | 16,741 | 81 | 24,902 | 26 | 4 |
| | 1897 ... | 980 | 20,256 | 2,972 | 28 | 19,343 | 74 | 26,068 | 43 | ... |
| | 1898 ... | 945 | 20,372 | 2,277 | 30 | 21,839 | 88 | 27,894 | 29 | ... |
| District Judges. | Average for— | | | | | | | | | |
| | 1892—96... | 412 | 426 | 6,760 | 419 | 1,354 | 10 | 14,922 | 1,068 | 1,598 |
| | 1897 ... | 511 | 738 | 8,061 | 356 | 1,759 | 22 | 15,403 | 1,129 | 1,835 |
| | 1898 ... | 512 | 2,046 | 7,785 | 375 | 3,420 | 29 | 16,040 | 1,168 | 1,849 |

(III) PRESIDENCY COURT OF SMALL CAUSES—*Suits.*

The number of suits for disposal by this Court was 23,837, of which 22,034 were disposed of as against 23,985 in 1897. 2,595 suits were disposed of after contest. The average duration of contested and uncontested suits was 39 and 27 as against 42 and 26, respectively, in 1897. The arrears increased from 1,401 to 1,803, of which no less than 1,430 were filed at the end of the year.

*Execution.*

There were 20,002 applications for the execution of decrees for disposal as against 21,285 in 1897. 16,887 were disposed of and satisfaction was obtained in 3,555 cases in full and in 393 cases in part. In 12,939 cases or 77 per cent. of the whole number, execution was wholly infructuous. A sum of Rs. 2,18,528 was realized. 405 judgment-debtors were imprisoned.

*Miscellaneous.*

Of 3,838 miscellaneous applications (including 554 for ejectment of tenants) which came for disposal, 3,680 (including 511 for ejectment of tenants) were disposed of and 158 remained pending at the end of the year, 5 being more than three months old.

(IV) THE CITY CIVIL COURT—*Suits.*

Out of 525 suits for disposal, 344 were disposed of, 191 being contested as against 587, 434 and 241, respectively, in 1897. Contested suits were more promptly decided than in the previous year (265 days as against 282 in 1897), but the average duration of uncontested suits remained the same, viz., 55 days. 265 appealable decrees were passed. Only 29 appeals were preferred. 37 appeals were decided, the decrees appealed against being confirmed in 29 cases. The arrears increased from 153 to 181.

*Execution.*

Out of 555 applications for execution of decrees for disposal, 371 were disposed of, with the result that satisfaction was obtained in full in 140 applications and in part in 40 applications. In 189 cases or 51 per cent., execution proved wholly infructuous. A sum of Rs. 59,081 was realized. Only one judgment-debtor was imprisoned in the year.

*Miscellaneous cases.*

The number of miscellaneous applications for disposal was 1,059, of which 998 were disposed of and 61 were pending, 9 being more than three months old.

(V) HIGH COURT—(*a*) Original Side—*Suits.*

The number of suits for disposal declined from 502 to 376. 291 were disposed of, this total being 84 less than in 1897. 125 cases were contested. Reference to a Judge in Chambers was ordered in 16 cases. The number of such cases for disposal was 25, of which 11 were disposed of. The average duration of contested and uncontested suits fell from 300 to 195 and from 179 to 107 days, respectively. As a consequence of the decline in institutions, arrears fell from 136 to 85; the number of suits pending for more than a year was 15.

*Execution.*

Out of 555 applications for disposal during the year, 148 were disposed of, with the result that satisfaction in full was obtained in 103 cases and in 11 cases in part. 34 cases were wholly infructuous. A sum of Rs. 50,750 was realized and the number of judgment-debtors imprisoned was 18.

*Insolvency.*

There were 441 applications for the benefit of the Act for the relief of insolvent debtors, of which 276 were disposed of, with the result that 240 applications

were granted and 36 dismissed, 4 persons being committed to prison. Of the 347 persons who applied for relief, 27 were Government servants, 12 Government pensioners, 121 employés of private individuals or companies, 154 traders and 30 unemployed. The amount of debt in respect of which relief was sought during the year was Rs. 14,74,987 as against Rs. 18,29,017 in 1897. The Insolvent Court granted protection orders in 383 cases and disposed of 96 miscellaneous applications and 138 applications from the Official Assignee.

*Miscellaneous cases.*

2,342 miscellaneous applications (including testamentary applications) were disposed of.

(*b*) Appellate Side—*Appeals from decrees and orders.*

The following table compares the number of appeals for disposal, disposed of and pending, with the corresponding figures for 1897 and the average of the previous five years :—

| — | | | Average of 1892—96. | 1897. | 1898. |
|---|---|---|---|---|---|
| *Appeals from decrees.* | | | | | |
| First | For disposal | | 585 | 801 | 743 |
| | Disposed of | | 285 | 438 | 526 |
| | Pending | | 300 | 363 | 217 |
| Second | For disposal | | 3,750 | 4,362 | 3,562 |
| | Disposed of | | 1,824 | 2,603 | 2,124 |
| | Pending | | 1,927 | 1,759 | 1,438 |
| *Appeals from orders.* | | | | | |
| First | For disposal | | 192 | 176 | 97 |
| | Disposed of | | 109 | 143 | 65 |
| | Pending | | 28 | 33 | 32 |
| Second | For disposal | | 8 | ... | ... |
| | Disposed of | | 4 | ... | ... |
| | Pending | | 4 | ... | ... |

The number of first and second appeals for disposal was considerably less than in 1897. This was due to the fall in institutions. In first appeals, disposals exceeded those of the previous year, and the disposal of second appeals was sufficiently large to reduce the arrears from 1,759 to 1,438. Of the first and second appeals pending at the close of the year, 22 and 88, respectively, had been heard and remitted for findings. In 119 out of 211 second appeals, in which the decrees of the lower appellate Courts were reversed, those of the Courts of First Instance were restored. 39 appeals from the orders of a single Judge of High Court were disposed of in the year as against 37 in 1897.

*Revision and reference.*

525 revision petitions were received in the year as against 418 in 1897, of which 395 were for revision of the proceedings of Courts in small causes. Including those pending from 1897, there were for disposal 677 revision petitions, of which 523 were disposed of, the corresponding figures for 1897 being 914 and 762. The number of petitions pending was 154 as against 152 in 1897 and the number pending for over three months was reduced from 79 to 35. 17 referred cases under the Civil Procedure Code, 2 under the Divorce Act, 4 under the Stamp Act, 2 under the Legal Practitioners' Act, 1 under the Madras Municipalities Act, and 2 under the Court Fees' Act were disposed of in 1898.

*Miscellaneous cases.*

The number of miscellaneous applications received was 1,182 as against 1,441 in 1897. The total number for disposal was 1,359, of which 1,177 were disposed of as against 2,058 in 1897. 55 applications for leave to appeal to the Privy Council were received. Including 30 pending from 1897, there were 85 applications in all for disposal, of which 83 were disposed of, certificates being issued in 31 cases. Including 16 cases despatched during the year, there were 34 cases before the Privy Council for disposal, of which 6 were disposed of. In 29 cases the records were under preparation in the High Court.

(*c*) Business of all kinds.

The following statement shows the particulars of the various classes of work done by the High Court on both its Original and Appellate Sides in 1898, as compared with the work done in 1897 and the average of the preceding five years :—

| | Average of five years (1892–96). | 1897. | 1898. |
|---|---|---|---|
| **ORIGINAL SIDE.** | | | |
| *Civil.* | | | |
| Suits | 350 | 375 | 291 |
| References to Chambers | 14 | 8 | 11 |
| Execution petitions | 120 | 208 | 148 |
| Insolvency cases | 215 | 279 | 276 |
| Miscellaneous cases | 2,763 | 2,378 | 2,342 |
| *Criminal.* | | | |
| Sessions cases | 51 | 46 | 37 |
| **APPELLATE SIDE.** | | | |
| *Civil.* | | | |
| First appeals from decrees | 285 | 438 | 526 |
| Second appeals from decrees | 1,824 | 2,603 | 2,124 |
| First appeals from orders | 181 | 180 | 104 |
| Second appeals from orders | 4 | ... | ... |
| Revision petitions | 881 | 762 | 523 |
| References and miscellaneous cases | 1,551 | 2,133 | 1,288 |
| *Criminal.* | | | |
| Referred trials | 69 | 68 | 78 |
| Appeals | 606 | 790 | 734 |
| Revision cases | 667 | 549 | 443 |
| Miscellaneous cases | 170 | 153 | 151 |

(E) FINANCIAL.

The total receipts and charges of Civil and Criminal Courts amounted to Rs. 64,39,927 and Rs. 49,10,176, respectively. The receipts in Court-fee stamps on account of service of processes in Civil Courts amounted to Rs. 12,93,655. Excluding discount for the sale of stamps at 1 per cent. on that amount, the net receipts amounted to Rs. 12,80,718. The cost of Nazarat establishments amounted to Rs. 6,04,593. Deducting this from the receipts under the head of process fees, the balance amounted to Rs. 6,76,125 or Rs. 69,012 more than in 1897. The increase was probably due partly to increased litigation and partly to reductions effected in the number of process servers and amins. The actual receipts in copy stamp papers in Civil Courts amounted to Rs. 2,36,519. Excluding charges on account of their supply at 20 per cent. on that amount, the net receipts amounted to Rs. 1,89,215. The charges for copyist establishments amounted to Rs. 1,59,566. The surplus, therefore, under the Copyists' Fund amounted to Rs. 29,649 or only Rs. 160 less than in 1897.

(F) MISCELLANEOUS.

In the course of the year, 2 attorneys, 4 advocates, and 21 vakils were enrolled in the High Court, and in connection therewith fees amounting to Rs. 24,000 were levied under the Stamp Act and Rs. 290 under the Court Fees Act. The annual Pleadership Examination was held in Madras from 31st January to 4th February 1898 inclusive; 132 candidates applied for admission to the examination as compared with 150 in the previous year; 77 for the first grade and 55 for the second grade—of these 114 actually presented themselves for examination, of whom 3 passed in the first grade and 36 in the second grade. The receipts from examination fees, including Rs. 36,464 reserved in the previous year, were Rs. 41,084; out of which a sum of Rs. 36,825 was reserved, the balance of Rs. 4,259 having been expended. Certificates were issued by the High Court during the year to 55 pleaders—29 first grade and 26 second grade. The stamp and admission fees realized amounted to Rs. 692 and Rs. 333, respectively. Besides this, 2,229 Pleadership certificates were renewed during the year, 580 first grade and 1,649 second grade. The stamp fees collected thereon amounted to Rs. 39,180. The total receipts from stamps and admission fees amounted to Rs. 40,205-8-0. The principal matters, in respect of which the High Court framed rules and prescribed forms and accounts during the year, were (1) rule directing that no Court-fee is required on the statements specified in Rules II, III and IV of the Translation and Printing Rules; (2) rule amending Rule 6 of the rules relating to appeals from decrees and orders; (3) rules and registers to regulate the mode of accounting for and dealing with money paid into the Presidency Court of Small Causes, Madras; and (4) rules framed under section 5 of Act I of 1895 for the guidance of the Presidency Small

Cause Court, Madras. Much progress was made in the destruction of useless records, particularly in South Arcot, Bellary, South Canara, Cuddapah, Ganjám, Madura, Kistna, North Malabar, Trichinopoly and Vizagapatam. The Court and Bar libraries were in good order. The securities furnished by ministerial officers were examined and found to be good and sufficient. The District Judges of Bellary, Chingleput, Coimbatore, Cuddapah, Kurnool, Nellore and Tinnevelly inspected 1 Court each; of South Arcot and South Canara, 2 Courts each; of North Arcot and Ganjám, 3 and 4 Courts, respectively; of Kistna and Tanjore, 6 Courts each. The District Judge of Malabar (South) inspected 7 Courts; the District Judge of Madura inspected all the District Munsifs' Courts in the district except Dindigul; the District Judge of Trichinopoly inspected all his Courts except Ariyalúr; in Gódávari and Malabar (North) the District Judges inspected all the Courts in their districts. In Salem and Vizagapatam, no Courts were inspected.

(G) SUMMARY. The main features of the year were, increased disposals and decrease of arrears in Village Courts, an unprecedented increase in institutions in Munsifs' Courts, with a corresponding increase of disposals and a reduction of arrears, a decrease in the disposals of ordinary suits and appeals in Subordinate Judges' Courts together with an increase of arrears in original and appellate work, an advance in District Courts in the outturn of small cause work, and in the disposal of arrears of ordinary suits and appeal, but not of small causes, with a decline in disposal of current appellate work; a decline in disposal and an advance in arrears in the Presidency Small Cause Court; a decrease in the number of suits and an increase of arrears in the City Civil Court; in the High Court a decline of disposals in original suits and second appeals, but an advance in disposal of first appeals together with a general reduction of arrears.

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## REGISTRATION. (1898–99.)

Number of registration offices, average area and population per office.

There were 431 registration offices at the end of the year, or 6 more than in 1897–98, and all except 14 offices were under Special Sub-Registrars. At the excepted stations, owing to the paucity of registrations, the work was performed by Taluk Head Accountants or other Revenue officers as *ex-officio* Sub-Registrars. The average assessed or arable area in square miles to each office was 177 and the average population, 80,000, the corresponding figures for 1881–82 being 262 square miles and 102,500 population. During the same period registrations have increased from 14 to 25 per mille of the population. Owing to financial pressure the opening of several additional offices had to be postponed.

Registrations in Books I, III and IV.

The number of documents registered in 1898–99 showed a decrease of 21,747, or 2·4 per cent. as compared with 1897–98. The following statement shows details :—

| Nature of documents. | | 1897–98. | 1898–99. | Percentage of increase or decrease. |
|---|---|---|---|---|
| Book I | Compulsory | 598,013 | 579,716 | ... |
| | Optional | 242,531 | 243,137 | ... |
| Book III | Compulsory | 18 | 26 | ... |
| | Optional | 3,216 | 3,019 | ... |
| Book IV | Compulsory | 103 | 100 | ... |
| | Optional | 40,242 | 36,378 | ... |
| | Total | 884,123 | 862,376 | – 2·4 |

Registrations in each district.

As usual, the Malabar district comprising the registration districts of Calicut and Tellicherry showed the largest number of registrations in 1898–99, viz., 151,786, or 17·6 per cent. of the total registration in the Presidency. The districts next in importance were Tinnevelly (89,753), Madura (86,007) and Tanjore (66,795), giving a total of 242,555 registrations, or 28·1 per cent. of the Presidency total.

Four other districts showed between 5 and 7 per cent., viz., South Arcot (6·7), Coimbatore (6·5 , North Arcot and Gódávari (5·5 each) or 24·2 per cent. on the whole. Four more districts, viz., Salem (4·5), Trichinopoly (4·2), Kistna (3·8) and Chingleput (3·4) accounted for 15·9 per cent. Of the remaining districts, the proportion was less than one per cent. in Madras and the Nilgiris, and was 1·3 and 1·4 per cent. in Kurnool and Vizagapatam, respectively, and ranged from 2·0 to 2·4 per cent. in Cuddapah, Bellary, Nellore, Ganjám and South Canara.

Aggregate value of transactions.

With the fall in registrations, there was also a fall in the aggregate value of documents registered from 19·35 crores to 18·34 crores. The aggregate value of documents relating to immoveable property was 17·73 crores against 18·16 crores in 1897–98. The corresponding figures for transactions relating to moveable property were 1·11 crores and 1·19 crores, respectively. The average value of documents registered in Books I and IV was Rs. 215 and Rs. 305, respectively, against Rs. 216 and Rs. 295 in 1897–98.

Wills and authorities to adopt.

The number of wills presented open to District Registrars and Sub-Registrars was 3,007 against 3,210 in the previous year, 2,840 being executed by Hindus, while the numbers of sealed covers containing wills deposited and of authorities to adopt were 25 and 26 against 37 and 18, respectively, in the previous year.

Registrations on payment of fine.

The number of documents registered on payment of penalty under sections 24 and 34 was 136 and 236, respectively, against 175 and 306 in the previous year.

Searches and copies.

There was a slight decrease in the number of applications for searches for single entries from 34,761 to 34,074, and a considerable fall in the number of applications for general search from 32,111 in 1897–98 to 11,129 in the year under report. The number of applications for general and single searches received in 1898–99 was large in the districts of Madura (5,752), Tinnevelly (4,809), Tanjore (4,235), Calicut (3,774) and Gódávari (3,019). The first three districts also headed the list in regard to the number of applications for general searches which amounted to 2,365, 1,432 and 877, respectively. In Madura there was a large increase in the number of such applications (from 946 to 2,365) owing to the grant of State loans to ryots cultivating under the Periyár project. The number of copies granted was 39,283 against 40,579 in 1897–98.

Minor operations.

The annexed statement shows the number of "minor" or subsidiary operations performed in connection with registration work during the past two years:—

| Operations. | 1897–98. | 1898–99. |
|---|---|---|
| 1. General powers of attorney attested ... ... ... | 972 | 916 |
| 2. Special powers of attorney attested ... ... ... ... | 3,858 | 3,783 |
| 3. Attendance at private residences and jails by registering officers in person ... ... ... ... ... ... | 5,267 | 5,015 |
| 4. Attendance at private residences and jails by persons deputed by commission ... ... ... ... ... | 79 | 55 |
| 5. Summonses ... ... ... ... ... ... ... | 11,036 | 9,955 |
| 6. Copies of documents or memoranda forwarded under sections 64, 65, 66 and 67 ... ... ... ... ... | 20,506 | 21,005 |
| 7. Copies of documents or memoranda received from other officers under sections 64, 65, 66 and 67 ... ... ... | 20,252 | 21,050 |
| 8. Copies of court-sale certificates received and filed ... | 10,723 | 11,539 |
| 9. Copies of Revenue-sale certificates received and filed ... | 1,518 | 1,616 |
| 10. Orders under the Land Improvement Loans Act received and filed ... ... ... ... ... ... ... | 5,273 | 2,472 |
| 11. Orders under the Agriculturists' Loans Act received and filed ... ... ... ... ... ... ... | 7,087 | 4,243 |
| 12. Orders under the Land Acquisition Act received and filed. | 735 | 1,317 |

Refusals to register.

Registration was refused in 1,854 cases as against 2,030 in 1897–98 and 1,680 in 1896–97. The chief grounds of refusal were denial of execution (426), non-appearance of parties within the prescribed time (545) or their unwillingness to complete registration (496). Compared with the total registrations, the number of refusals was comparatively small, the percentage being only ·2 per cent. for the Presidency.

Appeals

Appeals were preferred to District Registrars in 415 cases against the refusal orders of Sub-Registrars and 46 appeals were pending at the beginning of the year,

making up a total of 461 ; 33 cases were pending at the close of the year, the rest having been disposed of. Registration was ordered in 309 cases and refused in 119 more.

Percentage of documents registered on the day of presentation, &c.

Of the documents brought for registration, 62·9 per cent. were registered on the day of presentation, 89·2 within the second day and 93·8 within the third day. The corresponding figures for the previous year were 53·04 per cent., 83·76 per cent. and 90·08 per cent. The increase was due partly to the redistribution of the clerical staff, to the entertainment of temporary hands during the heavy registration months and to the use of printed forms for leases and other deeds presented by zamindars and mutual benefit societies.

Arrears.

At the close of the year there were no documents remaining uncopied in any of the registration offices except Cochin which is an *ex-officio* office, where one document remained to be copied.

Unclaimed documents and documents destroyed.

The number of registered documents which remained unclaimed at the end of the year was 2,724, of which 1,961 or about 72 per cent. related to that year, 721 to 1897–98 and 42 to previous years. Nearly a third of the unclaimed documents appeared against the Calicut district. The number of documents destroyed under section 85 of the Registration Act was 592 against 536 in 1897–98.

Documents impounded.

The number of documents impounded as being insufficiently stamped was 783 against 861 in 1897–98. There were 157 documents pending disposal at the beginning of the year and 127 documents at its close.

Prosecutions.

The results of the public and private prosecutions disposed of during the year are exhibited below :—

| — | Public prosecutions. | Private prosecutions. |
|---|---|---|
| Number instituted in 1898–99 ... ... ... .. | 21 | 15 |
| Number pending from the previous year ... ... .. | * 10 | * 4 |
| Total ... | 31 | 19 |
| Number in which conviction was obtained ... ... | 15 | 8 |
| Number in which the accused were acquitted ... ... | 10 | 8 |
| Number pending disposal at the end of 1898–99 ... | 6 | 3 |

* Revised figure.

Financial results.

The receipts and expenditure of the department during the year are exhibited in the subjoined statement, as compared with the preceding five years :—

| Years. | Receipts. | | Expenditure. | | Surplus. | |
|---|---|---|---|---|---|---|
| | Amount. | Percentage of increase or decrease. | Amount. | Percentage of increase or decrease. | Amount. | Percentage of surplus to receipts. |
| | Rs. | | Rs. | | Rs. | |
| 1893–94 ... ... ... ... ... | 11,93,342 | — 9·2 | 8,76,644 | + 5·2 | 3,16,698 | 26·5 |
| 1894–95 ... ... ... ... ... | 12,12,126 | 1·6 | 9,42,459 | + 7·6 | 2,69,667 | 22·2 |
| 1895–96 ... ... ... ... ... | 12,18,088 | 0·5 | 10,09,845 | + 7·1 | 2,08,243 | 17·1 |
| 1896–97 ... ... ... ... ... | 12,02,976 | — 1·2 | 9,74,993 | — 3·4 | 2,27,983 | 18·9 |
| 1897–98 ... ... ... ... ... | 15,21,676 | + 26·5 | 9,48,017 | — 2·8 | 5,73,659 | 37·7 |
| 1898–99 ... ... ... ... ... | 12,82,648 | — 15·7 | 9,75,290 | + 2·9 | 3,07,358 | 24·0 |

In 1898–99 the receipts declined by Rs. 2,39,028 or 15·7 per cent. as compared with 1897–98. The decline was chiefly under search fees (Rs. 2,09,006) owing to the grant of State loans having been practically stopped during the year. Compared with 1897–98, the receipts in 1898–99 showed a decline under all the heads except two, viz., fees for copies and memos. under sections 64 to 67 and fees for translations filed. The decrease was generally due to the decline in the operations of the department. In 1898–99 the expenditure rose to over 9·75 lakhs or 2·9 per cent. more than in the year preceding. The proportion of expenditure to

receipts rose from 62·3 per cent. to 76·0. Under expenditure not paid for in cash, there was a decrease under all the heads except cost of buildings. The decrease was due to the printing of register books, &c., being restricted to meet immediate and pressing requirements. The increase under cost of buildings (Rs. 62,306 against Rs. 30,418 in the previous year) for registration offices was due to the fact that the construction of several offices which was postponed in 1897–95 on account of financial pressure was taken up in 1898–99, and that 6 new offices were opened. The total surplus from the creation of the department has now risen to 56·04 lakhs. Every district in the Presidency except Kurnool showed a surplus of receipts over expenditure. The number of deficit Sub-Registrars' offices was 39 against 29 in 1897-98, and the amount of such deficit was Rs. 7,135 against Rs. 4,280. The largest number of deficit offices were Bellary *cum* Anantapur (10), Kurnool (6), Kistna and Nellore (4 each). There was consequently an increase in the average deficit for an office from Rs. 148 to Rs. 183. The average registration fee during the year was Rs. 1-3-6 almost the same as last year. The average was, as usual, highest in Madras (Rs. 3-0-3) and the lowest in Tellicherry (As. 13–11). The Inspector-General inspected 62 (11 District Registrars' and 51 Sub-Registrars') offices. The inspection of Sub-registry offices by District Registrars was carefully carried out in all the districts in 1898–99. In a few cases surprise visits were made by District Registrars and by the Inspector-General. In 1898–99, 195 Sub-registry offices were inspected by the officers of the Revenue department against 199 in the previous year.

Transfer of revenue registry.

The number of applications presented through the registering officers for the transfer of revenue registry of holdings was 56,668, or 2,496 less than in 1897–98.

Miscellaneous.

During the year under report 5 Sub-Registrars died, 1 retired, 1 resigned and 5 more obtained appointments in other departments.

## REGISTRATION OF JOINT STOCK COMPANIES. (1898-99.)

Exclusive of companies registered under Act XXI of 1860, 47 new companies were registered during the year as against 73 in the previous year. The decrease falls almost entirely under the two heads—I. Banking, Loan and Insurance, and II. Trading. In regard to the former, it is reported that the sudden rise in the numbers, noticeable in 1897–98, was due to a ruling of the Madras High Court, which rendered it necessary to register as companies all 'Chit' or 'Mutual Loan' associations. A subsequent ruling modified this decision, with the result that the registration of such associations has ceased to be necessary in all cases. The decrease in the number of trading companies was ascribed to dulness of trade and the stringency of the money market. Omitting 36 mutual loan associations and 2 companies which were registered under section 26 of Act VI of 1882 without capital, there were in all 9 companies started for banking, trading or industrial purposes as against 19 in the preceding year. Particulars of the number and capital of the companies newly formed, and of those at work during the past decade, are given in the following statement:—

| Year. | Companies registered in the year. | | | Number of companies wound up. | Companies working at the end of the year. | | | Collections. |
|---|---|---|---|---|---|---|---|---|
| | Number. | Nominal capital. | Paid-up capital. | | Number. | Nominal capital. | Paid-up capital. | |
| | | Rs. | Rs. | | | Rs. | Rs. | Rs. |
| 1889-90 ... ... ... | 27 | 31,71,857 | 11,42,101 | 60 | 263 | 3,87,22,354 | 1,75,71,039 | 5,787 |
| 1890-91 ... ... ... | 27 | 26,61,807 | 2,52,802 | 57 | 233 | 3,84,78,297 | 1,72,41,566 | 4,600 |
| 1891-92 ... ... ... | 25 | 30,64,950 | 4,02,771 | 43 | 214 | 4,00,89,933 | 1,90,73,868 | 4,747 |
| 1892-93 ... ... ... | 13 | 15,20,896 | 1,64,397 | 30 | 197 | 3,96,27,184 | 1,94,58,274 | 3,002 |
| 1893-94 ... ... ... | 22 | 22,83,914 | 1,64,085 | 15 | 204 | 4,06,28,044 | 1,94,60,820 | 3,895 |
| 1894-95 ... ... ... | 24 | 25,78,034 | 1,95,338 | 13 | 215 | 4,23,42,057 | 1,92,26,159 | 4,503 |
| 1895-96 ... ... ... | 26 | 34,73,298 | 11,13,934 | 15 | 226 | 4,54,30,968 | 2,04,11,622 | 4,477 |
| 1896-97 ... ... ... | 57 | 63,56,635 | 2,16,925 | 16 | 267 | 5,12,13,462 | 2,04,93,218 | 8,690 |
| 1897-98 ... ... ... | 73 | 1,24,85,499 | 27,07,320 | 21 | 319 | 5,54,65,197 | 2,43,91,319 | 10,171 |
| 1898-99 ... ... ... | *47 | 41,84,704 | 12,63,369 | 31 | 335 | 5,74,38,820 | 2,82,91,618 | 6,841 |

* Forty-five of these are limited companies, the other 2 being registered under section 26 of Act VI of 1882 without capital.

With the exception of the Mu. Ko. Muniswami Chetti, Murugesa Chetti, Panchakshara Chetti Company and the Chennapuri Hindu Kutumbha Sukha Jeevana Nidhi or the Madras Hindu Family Pension (Limited), having no capital divided into shares, the liability of the 45 companies is limited by shares. Of the 47 companies, 37 were banking and loan companies, 5 trading companies, 3 mills and presses, 1 planting company, and the remaining 1 a miscellaneous company. There were 319 companies at work at the close of the last official year, and 31 of these with a nominal and paid-up capital of Rs. 32,31,506 and Rs. 8,34,887, respectively, were wound up during the year. 288 thus remaining of the previous year together with 47 new companies, making up a total of 335 companies, represented the total number working on the 31st March 1899. The average nominal capital of the working companies decreased during the year under report from Rs. 1,73,872 in the preceding year to Rs. 1,71,459, but the average paid-up capital increased from Rs. 76,462 to Rs. 84,453. Almost all the companies duly filed their balance sheets and lists of the members during the year. All the offices in Madras and 152 out of 260 in the mofussil were inspected. Almost the whole of the remaining 108 offices are in the Tinnevelly district. The amount of registration fees collected during the year fell from Rs. 10,171 to Rs. 6,841, but the charges rose from Rs. 1,081 to Rs. 1,131, the balance to the credit of the department being Rs. 5,709 against Rs. 9,090 in the previous year.

## VOLUNTEERING. (1898-99.)

The following statement shows the number of extra efficients and efficients in each volunteer corps under the control of the Madras Government, including the Bangalore Rifle Volunteers and the Coorg and Mysore Rifles, from the 1st April 1898 to 31st March 1899 :—

| Corps. | Number of extra efficients. | Number of efficients. |
|---|---|---|
| Madras Artillery Volunteers ... ... ... ... ... | 76 | 20 |
| Madras Volunteer Guards ... ... ... ... ... | 379 | 190 |
| Bangalore Rifle Volunteers ... ... ... ... ... | 614 | 319 |
| Nilgiri Volunteer Rifles ... ... ... ... ... | 304 | 175 |
| South Indian Railway Volunteer Rifles ... ... ... | 506 | 191 |
| Coorg and Mysore Rifles ... ... ... ... ... ... | 163 | 37 |
| Malabar Volunteer Rifles * ... ... ... ... ... | 256 | 309 |
| Madras Railway Volunteers ... .. ... ... ... | 480 | 441 |
| Yercaud Rifle Volunteers ... ... ... ... ... | 31 | 11 |
| Southern Mahratta Railway Rifles ... ... ... | 327 | 318 |
| East Coast Rifle Volunteers ... ... .. ... .. | 395 | 172 |
| Total ... | 3,531 | 2,183 |

* For the year 1897-98. This corps has not yet been inspected for 1898-99.

The principal events connected with volunteering during the year 1898-99 were as follows :—(1) The concession granted to Government servants who are also volunteers, of being considered to be on casual leave while attending camps-of-exercise without prejudice to the casual leave otherwise at their credit, was extended to include also their attendance at rifle meetings. (2) The Kolar detachment of the Bangalore Rifle Volunteers was divided into two companies. (3) The Government of India sanctioned a grant of Rs. 100 to each officer gazetted to a volunteer commission to cover the cost of uniform and equipment, on condition that he will refund the amount should he resign his commission or cease to serve in the active list within three years from the date of his appointment.

## MARINE. (1898-99.)

Marine Acts.

Under section 6 (*m*) of the Indian Ports Act, X of 1889, article 7 (3) of the regulations for preventing collisions at sea relating to lights was made applicable to all vessels of 20 to 100 tons gross tonnage, both inclusive, while engaged in the navigation, or plying within the limits of the Madras Harbour, Cocanada river, and inside the bar at Cuddalore, Negapatam, Cochin, Beypore, Mangalore and such other places as may be included in the terms, harbour, river or inland waters. Under section 37, the rates of port dues payable by vessels calling at ports on the West Coast of the Presidency were raised to the maximum rates, viz., foreign vessels As. 3, coasting steamers As. 3, and coasting ships As. 1–6 per ton. Under section 4 (1) (*c*), the operation of the Act was withdrawn from the ports of Pulicat, Ennur and Covelong in the Chingleput district. The northern limit of the port of Negapatam was amended and a revised limit notified. Under Act III of 1897 an addition to rule 3 of the Plague Regulations was made by which passengers going by sea, who produce a health certificate from a Commissioned Medical officer, dated not more than 12 hours before the departure of a vessel, are not required to be examined by the Port Health officer prior to embarkation. To regulation 4 was added a provision by which no tindal or other person in charge of or navigating a registered boat shall make such boat fast to a vessel in quarantine or coming from an infected port until such vessel has been granted pratique by the Port Health officer. The form of Bill of Health under rule 3 was amended. The regulations for the inspection of outward-bound vessels were extended to Narsapur, Porto Novo, Tirumulavásal, Tópputturai, Point Calimere, Mutupet, Adirampatam, Ammápatnam, Kóttaipatnam, Tondi, Devipatam, Hangarkotta and Kundapur. Tellicherry was added to the list of ports to which section 7 of Act VII of 1880 has been extended. Madras Act III of 1885 was brought into force at the port of Tuticorin. The provisions of the Native Passenger Ships Act X of 1887 were adopted at Pondicherry and Karikal by the French authorities. Under sections 6 and 54, Ammápatnam, in the district of Tanjore, was declared a port for embarkation and debarkation of native passengers, and the local Assistant Superintendent of Customs appointed to carry out the provisions of the Act. Under Acts X of 1841 and XI of 1850, 97 native craft were registered and 169 changes of masters endorsed. The total amount of fees collected was Rs. 1,127. By vessels which came under the operation of Act X of 1887, 19,950 left Madras coast on "long" voyages and 184,298 on "short" voyages. In general 212,689 passengers arrived and 272,840 left. These included those who came and left by native passenger ships.

Wrecks and casualties.

There were 14 shipping casualties against 16 in the previous year, the number of lives lost being 9 against 29. The British India steamer *Chupra* grounded 15 miles south of Vizagapatam in bad weather, but was subsequently floated and taken to Calcutta and docked. The Swedish barque *Minnet*, which brought sleepers for the South Indian Railway, grounded near Point Calimere and became a complete wreck.

Boat supply.

The coast ports maintained a supply of 1,934 cargo and other licensed boats against 1,878 in the previous year. The supply was found sufficient.

Weather.

In June a small cyclonic storm passed inland north of Gopalpur. In September a cyclonic disturbance developed off the Circars and moving northwards prevented communication between shore and shipping at Cocanada for a whole day owing to high seas and finally passed inland over Puri. In October a severe cyclonic storm developed in the south of the bay and passed inland with disastrous results at Masulipatam where some small native craft were more or less injured, while the brig *Nagore Meera Saiboo* of 205 tons parted her cables and became a total wreck. In November a small but moderately deep depression passed westwards over Madras causing unsettled weather on the Malabar coast.

Dredging operations.

Of the 2 Priestman dredgers at Cocanada, 1 worked 242 days in the year and removed 64,141 tons of silt from the river mouth and channels. The total expenditure on account of repairs, establishment charges, coal, fuel, stores and contingencies was Rs. 2,877, the average working expense being about 9 pies per ton. The other dredger worked 75 days only, not being able to be employed longer for want of a new boiler, the old one having worn out; removed 26,025 tons of silt; total expenditure, Rs. 3,267; average working expense, As. 2 per ton. The work

of keeping the boat channels open at Cuddalore by means of dredging with the small steam dredger at that port was given on contract to Messrs. Parry & Co., who carried it out for one year at a cost of Rs. 1,586. The boat channels at Cuddalore were being kept open by means of hand-dredging under the supervision of the Port department. The dredger *Havelock* at Negapatam worked 159 days in the year; removed 20,624 tons of silt; total expenditure, Rs. 2,395; average working expense, As. 1-10 per ton. The difference in rates was due to variation in price of labour, hire of boats, &c., at the respective ports. The dredger *Wenlock*, after necessary repairs and alterations was handed over to the Madras Harbour Trust Board. Certain defects, however, having appeared in her on trial, she had to be taken back by Government and arrangements made to send her back into dock at Calcutta in view to the defect being remedied.

Storm-signalling system.

The revised storm-signalling system brought into use at the beginning of the year under notice worked satisfactorily.

Navigation, tonnage and dues.

The following is a summary of the number of vessels, their tonnage and the dues collected therefrom in the whole Presidency during the year:—

| Ports. | Vessels. | Number. | | Tonnage. | | Dues. | |
|---|---|---|---|---|---|---|---|
| | | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. |
| | | | | | | Rs. | Rs. |
| Madras | British — Coasting | 312 | 333 | 544,498 | 618,228 | 32,279 | 36,907 |
| | British — Other than coasting | 210 | 180 | 469,782 | 399,201 | 62,462 | 50,835 |
| | Foreign | 91 | 60 | 132,869 | 108,259 | 14,036 | 11,950 |
| | Native | 98 | 67 | 11,748 | 8,212 | 718 | 461 |
| | Total | 711 | 640 | 1,158,897 | 1,133,900 | 1,09,495 | 1,00,153 |
| Coast Ports | Eastern group | | | | | | |
| | British — Coasting | 2,137 | 2,304 | 2,583,968 | 2,926,175 | 88,653 | 88,949 |
| | British — Other than coasting | 253 | 361 | 401,491 | 491,110 | 38,582 | 38,436 |
| | Foreign | 29 | 27 | 42,203 | 50,855 | 6,358 | 8,489 |
| | Native | 7,232 | 6,492 | 278,950 | 260,786 | 11,252 | 11,835 |
| | Western group— | | | | | | |
| | British — Coasting | 975 | 1,137 | 1,305,845 | 1,681,463 | 57,002 | 63,239 |
| | British — Other than coasting | 74 | 21 | 95,141 | 36,115 | 3,662 | 1,334 |
| | Foreign | 624 | 527 | 85,789 | 84,033 | 8,405 | 12,038 |
| | Native | 11,655 | 11,735 | 361,052 | 358,687 | 13,375 | 17,998 |
| | Total | 22,979 | 22,604 | 5,154,439 | 5,889,224 | 2,27,289 | 2,42,318 |

NOTE.—Men-of-war, Government ships, and vessels that called for orders only are not included.

At Madras, compared with the figures of the previous year, there was a decrease in the number of vessels under "other than coasting," "foreign" and "native," as well as in their tonnage and the dues collected therefrom, while under "coasting" there was an increase in number, tonnage and dues. At coast ports under "coasting" there was an increase in number, tonnage and dues; under "other than coasting" an increase in number and tonnage, but a decrease in dues accounted for by calls within the period of exemption from payment of port dues; under "foreign" a decrease in number, but increase in tonnage, showing that larger-sized vessels called, and an increase in dues as the maximum rates of port dues were levied in both groups; and under "native" a decrease in number and tonnage due in a great measure to plague restrictions, but an increase in dues due to the maximum rates being levied in both groups. The payments in dues averaged from 11 to 24 pies per ton at Madras and from 6 to 29 pies per ton at the coast ports.

Trade.

The following is a statement of the value of, and duty on, the import and export trade of the principal ports in the Presidency, exclusive of Government stores and Government and private treasure:—

| — | Tonnage. | Value of | | | Duty on | | |
|---|---|---|---|---|---|---|---|
| | | Imports. | Exports. | Total. | Imports. | Exports. | Total. |
| | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Total of Madras. 1897-98 | 1,158,897 | 6,87,87,036 | 5,54,14,495 | 12,42,01,531 | 28,08,581 | 16,426 | 28,25,007 |
| Total of Madras. 1898-99 | 1,133,900 | 5,90,59,802 | 5,15,56,557 | 11,06,16,359 | 23,85,898 | 1,423 | 23,87,321 |
| Total of coast ports. 1897-98 | 5,154,439 | 5,53,46,420 | 10,93,95,976 | 16,47,42,396 | 4,36,017 | 7,27,329 | 11,63,346 |
| Total of coast ports. 1898-99 | 5,889,224 | 5,86,40,195 | 11,18,17,085 | 17,04,57,280 | 4,68,766 | 4,78,778 | 9,47,544 |

The order of coast ports was Tuticorin, Cochin, Calicut, Cocanada and Mangalore as regards value of imports and exports; but in respect of duty levied the order was Tuticorin, Negapatam and Cocanada. The trade of Madras port was somewhat slack owing to plague restrictions and to smaller importations of spirits, fire-arms and other dutiable goods.

Outports.

*Gopalpur.*—Certain steamers not usually on the coast and of heavy tonnage called here from Calcutta to take rice to Ceylon, and there was thus a substantial increase in the revenue from port dues. The pier was of some service, principally as affording protection underneath to boats seeking shelter in bad weather. The 3-ton crane and trucks belonging to the pier were kept in good order. *Vizagapatam.*—The Landing and Shipping Dues Committee held three meetings. *Cocanada.*—There was a falling off in collections under landing and shipping fees owing to large decrease in materials received for the East Coast Railway and to smaller shipments of cane jaggery. The existing Board of Conservancy was reconstituted with the Collector as Chairman and with the Port Officer of Cocanada, the Superintending Engineer, I Circle, the Executive Engineer of the division, 3 members of the European Chamber of Commerce and 3 members of the Native Chamber of Commerce as members. The north and south groynes were kept in good repair. *Masulipatam.*—Trade of the port was rather dull owing to produce having been mostly sent inland to famine-stricken districts. The Landing and Shipping Dues Committee held four meetings. *Cuddalore and Porto Novo.*—There was a decrease in port dues owing to fall in importation of coal and exportation of ground-nut. *Negapatam.*—A second 3-ton crane was obtained for this port and fitted to the South Jetty wharf. A new flagstaff was erected, the old one having shown signs of decay. *Pamban.*—The native coasting trade showed a decline, as the northern ports in Ceylon were closed to trade owing to the plague, but a larger number of steamers called. Pilotage collections fell below those of the previous year owing to fewer country craft passing through. The flagstaff was taken down, having shown signs of decay. Arrangements were made for obtaining suitable spars from Calicut for a new flagstaff. *Tuticorin.*—Trade and passenger traffic at this port were fair. The *Galatia* wreck buoy broke adrift, but was recovered, and it was under consideration to remove the wreck by blowing it up with dynamite. Meanwhile, a basket beacon on a pole 10 feet above water level has been made fast to the wreck. The new iron pier was in good order and the wooden pier repaired. Fees under Madras Act III of 1885 were being collected from 12th August. *Cochin.*—Increased trade led to the addition of 43 new cargo boats to the boat supply of this port. The revetment protective wall of the Government Marine yard was raised by the Public Works Department, and protective works carried out also at Cruz Milagre. *Calicut.*—Substantial repairs to the pier were reaching completion at the close of the year. Military details were shipped and landed here by the S.S. *Aroca* and the R.I.M.S. *Dalhousie* and *Canning*. The buoys, beacons, boundary pillars, flagstaffs and all marine works in all the coast ports were maintained in an efficient state.

Port funds

The opening balance of Port Funds Act X of 1889 on the 31st March 1898 was Rs. 7,19,051. Excluding all transactions, such as transfers of surpluses and contributions to meet deficits of other funds, the receipts and charges during the year under report were Rs. 4,03,114 and 4,82,130, respectively, against Rs. 4,00,167 and Rs. 3,68,058 in the previous year, the deficit being due to heavy Public Works charges on account of the Mulki, Manapad and Kistna lights. Madras Port Fund had a surplus of Rs. 27,533 during the year. Including all transactions, the receipts and charges of Port Funds Act X of 1889 amounted to Rs. 4,78,592 and Rs. 5,13,869, respectively, against Rs. 4,80,840 and Rs. 4,54,989 in the previous year, and the closing balance on the 31st March 1899 was Rs. 6,83,774. The total receipts under fees amounted to Rs. 25,017 and the total of fees paid and personal allowance drawn by Port officers and Conservators to Rs. 14,250. There was thus a balance of Rs. 10,767 left to credit of Government under this head of receipt.

## DESTRUCTION OF WILD ANIMALS. (1898-99.)

Number killed.

The number of wild animals destroyed in 1898 amounted, as shown below, to 914, or 128 less than in the previous calendar year :—

| — | 1897. | 1898. |
|---|---|---|
| Elephants ... .. ... ... ... | ... | ... |
| Tigers ... ... .. ... .. ... | 110 | 102 |
| Panthers, leopards, or cheetahs ... ... | 854 | 752 |
| Bears ... ... ... ... ... ... | 78 | 59 |
| Hyænas ... ... ... ... ... | ... | 1 |
| Total ... | 1,042 | 914 |

As usual, Ganjám and Vizagapatam contributed the largest number of animals killed, the figures being 212 and 240 against 247 and 258, respectively, in 1897.

Rewards.

The rewards disbursed during the year amounted to Rs. 18,957 against Rs. 22,044 in 1897. The loss of human life caused by wild animals decreased from 240 * deaths in 1897 to 143. It was heaviest in Vizagapatam, where 66 persons were killed against 80 in the previous year. The reported mortality from snake-bite decreased from 1,872 persons killed in 1897 to 1,664 in the year under report. The heaviest losses occurred in Tanjore (189), South Arcot (140), Coimbatore (131), North Arcot (129), Trichinopoly (127) and Madura (107). The total reported mortality among cattle from wild animals and snakes increased from 11,856 in 1897 to 13,679. The heaviest losses occurred in South Canara (4,271), Malabar (2,041), North Arcot (1,186), Ganjám (906), Coimbatore (760) and Cuddapah (653).

* The difference between this figure and that entered in the report for 1897 is due to a subsequent alteration reported by the Collector of South Canara.

# CHAPTER IV.

## PRODUCTION AND DISTRIBUTION. (1898-99.)

Season and rainfall.

OWING to the very early cessation of the north-east monsoon rains in the previous year, measures for the relief of distress were necessary on a small scale in part of the Nellore district until July 1898. The usual early rains were fairly abundant in those parts of the Presidency most dependent thereon, but there was considerable delay in the setting in of the south-west monsoon rains in parts of the Deccan districts. Later on, in August, the general aspect of the season became favourable throughout the Presidency and removed all cause for anxiety. It was only in parts of the Deccan districts that the season on the whole was not generally favourable for agriculture. The average rainfall for the Presidency during the year was 50·70 inches against 47·10 registered in 1897–98, and 44·80 inches the average of 25 years ending with 1894–95. Owing to the absence of any cyclones such as at times visit the East Coast in May, the rainfall during April and May was below the average in the Circars and Carnatic districts, but in the districts where these early rains are of chief importance, the rainfall in May was above the average. Owing to the delay in the setting in of the south-west monsoon, the rainfall of these months on the West Coast was a little below the average, but later on, in June and July, the fall was heavier than usual and the total rainfall during the south-west monsoon fully up to the average. In the Circars also, these rains were good and copious, but up to nearly the end of August the rainfall was very scanty in the greater part of the Deccan, Carnatic, Central and Southern districts. The rainfall of September was, however, remarkably heavy, and the total fall during this monsoon was normal or in slight excess over the whole area. This copious rainfall, though late, improved the agricultural outlook greatly and was followed by a heavier rainfall than usual over the greater part of the Presidency during the north-east monsoon. In the Circars, the rainfall at this season was almost normal, and elsewhere, except in the Deccan districts, was in considerable excess. During October, the rainfall was good and even heavy except in the Deccan and parts of Central districts, but in November the fall was good or heavy throughout the districts of the East Coast and consequently there were floods in some parts, but no great damage was caused thereby. The partial failure of these later monsoon rains in parts of Vizagapatam and of the Deccan caused some loss of crop. During the remaining period of the year, the rainfall was rather less than usual throughout. The Gódávari began to rise on the 15th June and reached a maximum height of 9·6 feet above the new crest of the anikat on 25th July 1898. The Kistna was in flood at the end of the first week of June and rose to 13·3 feet above the crest of the anikat on the 28th July 1898. This was the highest recorded point during the year against 14·25 feet on the 12th August in 1897. The supplies in the Penner were early and copious. There were moderate freshes in the Cauvery from May to July, but in August the river was unusually low and continued in that condition till October when it rose and there was an ample supply to mature the crops.

Cultivation.

The following table compares the areas sown during the year with the corresponding areas in the previous year and with the average of five years preceding, in thousands of acres:—

| Ryotwar and minor inám. | | Average of 5 years ending 1897-98. | 1897-98. | 1898-99. | Difference as compared with 1897-98. | | Difference as compared with the average. |
|---|---|---|---|---|---|---|---|
| | | | | | Extent. | Percentage. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | | ACRES. |
| Dry | First crop ... ... | 18,211 | 18,159 | 18,441 | + 282 | 1·5 | + 230 |
| | Second crop .. | 1,500 | 1,393 | 1,557 | + 164 | 11·8 | + 57 |
| | Total .. | 19,711 | 19,552 | 19,998 | + 446 | 2·2 | + 287 |
| Wet ... | First crop ... | 4,859 | 4,961 | 5,042 | + 81 | 1·6 | + 183 |
| | Second crop . | 1,349 | 1,472 | 1,513 | + 41 | 2·7 | + 164 |
| | Total ... | 6,208 | 6,433 | 6,555 | + 122 | 1·8 | + 347 |
| | Grand Total .. | 25,919 | 25,985 | 26,553 | + 568 | 2·2 | + 634 |

The total area of dry land brought under cultivation was 18·4 million acres, and that of wet land 5 millions. In regard to the former description of land, the area cultivated showed a material increase in all parts of the Presidency except the Deccan and Carnatic. In the former tract, there was a decrease in the Anantapur and Cuddapah districts; in the latter, in Chingleput and South Arcot. Of the wet land, it was only in the two Deccan districts already mentioned that the area brought under cultivation showed any marked decrease, though in several districts there were trifling decreases as compared with the previous year. If, however, the areas on which second sowings or plantings were made were included, the total area of dry crop put down would show an increase of nearly 450,000 acres, and that of the crops sown on wet land about 120,000 acres. In the former case the increase was common to all parts of the Presidency except the Deccan; whilst there was a marked deficiency in the area of second crop sown on wet land in the Deccan, Tinnevelly and some also in the Circars. In the latter case, the deficiency pertained almost entirely to the Gódávari district, in which during 1897-98 an exceptionally wide area of second crop was planted of this class of land. In some cases, a decrease in the area of second crop on dry land indicated that a smaller area of the first sowings failed to mature. Taking all sorts of crop together, the most marked expansion in the areas of crop sown appeared against Kistna, Salem, Chingleput, North Arcot and Nellore, whilst the only districts showing a decrease were Gódávari, Vizagapatam, Anantapur and Cuddapah.

Outturn of crops

Full and detailed reports on the estimated outturn of crops are given in the subjoined table :—

| Crops. | Areas sown in hundreds of acres. | | | | Rate of yield per cent. of normal. |
|---|---|---|---|---|---|
| | Average for | | 1897-98. | 1898-99. | |
| | Five years. | Ten years. | | | |
| Paddy ... ... ... ... | 5,841,9 | 5,686,5 | 6,135,7 | 6,199,6 | 97 |
| Cotton ... ... ... ... | 1,397,0 | 1,359,1 | 1,351,9 | 1,167,5 | 78 |
| Indigo ... ... ... ... | 369,6 | 335,7 | 257,4 | 149,5 | 74 |
| Sugarcane ... ... ... | 56,8 | 54,2 | 57,8 | 47,4 | 92 |
| Gingelly ... ... .. ... | 690,7 | 659,4 | 718,4 | 624,4 | 70 |
| Ground-nuts ... ... ... | 184,4 | 185,8 | 83,6 | 88,5 | 82 |

Special products—Cotton, indigo, &c.

The above figures were compiled from the reports received from time to time and they cannot be called complete, but the returns available show that the paddy crop was generally good, except in parts of the Carnatic and the Southern districts, whilst, so far as information is available, the yield from the dry food-grains was generally rather less. In regard to the more important industrial crops, the figures given above show that there was a very large falling off in the area of land sown with indigo, and very material decreases under each of the other crops, except ground-nuts. In the case of the last-mentioned crop, although there was some increase over the previous year, the area sown was less than half the average for previous years. The increase of 6 per cent. over the previous year was ascribed to the more favourable character of the season. In the case of cotton, the area sown was nearly 17 per cent. less than the average and about 184,000 acres less than that sown in the previous year. The decrease occurred almost everywhere and was especially noticeable in the Deccan districts and was due to the extremely low price of cotton. The extent sown with indigo during the year was 42 per cent. less than that of the previous year, and decrease occurring in all the principal indigo-growing districts. In South Arcot, however, the area sown, though less than in the previous year, was slightly in excess of average. The deficiency was due partly to want of seasonable rain and partly to the cultivation of food-grains instead of indigo under the stimulus of high prices for them accompanied by a fall in the price of indigo. The yield from both cotton and indigo was but moderate. The area planted with sugarcane showed a decrease of 18 per cent. as compared with the previous year. The decrease as compared with the average was considerable in Ganjám, Gódávari, Anantapur and Coimbatore and was attributed chiefly to unseasonable rainfall and in Gódávari to disease also, but may also in part be put down to the very high level at which the price of food-grains stood during 1897 and 1898. The yield from the crop was good. Gingelly is a crop planted at two seasons. The early sowings were considerably less than, and the later materially greater than, the average; the net result being a deficiency of about 13 per cent. for the whole year. The early crop was deficient everywhere except in the Carnatic, the late crop in the Circars and Deccan only. In Gódávari, the large decrease was due to the extensive early planting of paddy, and elsewhere to the want of timely rainfall, whilst for the late crops the increase was due to the comparatively late continuance of the rains.

Prices.

Owing to the comparatively favourable character of the season, generally the price of all food-grains, which had, in the previous year, been excessively high, fell considerably during the year. The fall, except in the case of varagu, ranged from 14 to 26 per cent.; and the average prices, which in the previous year ranged from 25 to 100 per cent. above the average rates for the ten years ending 1889–90, were, in the year under report, from 33 to 50 per cent. only above the same standard. The fall was especially marked in the Circars and Deccan and extended in a smaller degree throughout the rest of the Presidency. This was partly due to the better harvests, and partly to the cessation of the abnormal exports of grain from the Presidency which had characterised the two previous years. The change in the latter respect is shown in the following abstract of the volume of the trade in grain during each of the last five years, in thousands of tons :—

| Year. | Railborne. | | Sea borne. | | Total. | |
|---|---|---|---|---|---|---|
| | Imports. | Exports. | Imports. | Exports. | Imports. | Exports. |
| 1894–95 ... ... ... ... | 41 | ... | 43 | ... | 84 | ... |
| 1895–96 ... ... ... ... | 18 | ... | 84 | ... | 102 | ... |
| 1896–97 ... ... ... ... | ... | 18 | . | 139 | ... | 157 |
| 1897–98 ... ... ... ... | ... | 28 | ... | 33 | ... | 61 |
| 1898–99 ... ... ... ... | 40 | ... | 145 | ... | 185 | ... |

The following statement shows the mean retail prices of food-grains and of salt for the Presidency as a whole during the twelve months ending March 1899, as compared with the rates for each of the five previous years and with the average for ten years ending 1889–90 :—

| Articles. | Imperial seers of 80 tolas per rupee. | | | | | | | Percentage variation of prices in 1898–99 as compared with | |
|---|---|---|---|---|---|---|---|---|---|
| | * Average. | 1893–94. | 1894–95. | 1895–96. | 1896–97. | 1897–98. | 1898–99. | The average. | 1897–98. |
| Rice, second sort... | 15·0 | 11·8 | 12·9 | 13·3 | 12·3 | 9·7 | 1·0 | + 36 | – 12 |
| Cholam ... ... | 28·0 | 18·4 | 21·7 | 25·2 | 20·7 | 13·9 | 18·7 | + 50 | – 26 |
| Cumbu ... ... | 26·8 | 18·8 | 21·9 | 25·1 | 21·4 | 15·2 | 18·5 | + 45 | – 18 |
| Ragi ... ... | 29·4 | 21·0 | 24·5 | 27·9 | 23·2 | 16·4 | 19·1 | + 54 | – 14 |
| Varagu ... ... | 36·0 | 25·6 | 30·4 | 33·6 | 31·7 | 28·9 | 27·0 | + 33 | + 7 |
| Salt ... ... | 13·4 | 12·4 | 12·4 | 12·5 | 12·5 | 12·4 | 12·5 | + 7 | – 8 |
| Paddy, second sort. | 26·1 | 20·4 | 22·6 | 23·6 | 21·5 | 16·4 | 19·1 | + 37 | – 14 |

* Average of ten years ending 1889–90.

At the commencement of the year the price of rice was generally lower than it had been during the previous year, but was still very high in all districts, and in some was dearer than it had been in March 1898. In May, except in Chingleput, South Arcot, Tanjore and the West Coast, rates became slightly easier or were stationary, but, in June, an upward tendency appeared in Ganjám, Vizagapatam, Coimbatore, Trichinopoly and Tinnevelly and in July it extended to Cuddapah, North Arcot and Salem. The change from April to July was, however, nowhere very great, but generally in the southern half of the Presidency and on the West Coast the grain was dearer. Rates were generally fully maintained in August and rose in the Southern districts, Trichinopoly, Coimbatore and Salem. In the last three districts and Tanjore and the Deccan, there was some fall in September, but it was not until later that any general fall occurred, and in October, prices were dearer than the " warning rates " in almost every district. In the ensuing months, prices fell throughout the Presidency up to about February, in which month or in March the fall was checked in the Circars and a few other districts. At the close of the year, rates were about the same as, or cheaper than, the normal average rates adopted for the different districts, except in the extreme north and south. In the case of the dry grains, prices of ragi at the commencement of the year were generally slightly easier than they had been at the close of the year before, except in the far south. During May and June, rates showed but little change, but in July and August, except in the Circars, there was a general rise owing to the holding off of the rains. The rise continued into September in Cuddapah and parts of the Carnatic and Central districts, but elsewhere the rates generally became easier in that month, and thenceforward up to February there was a general and heavy fall, though prices did not become cheaper than the " warning rates " generally until December or January and later still in the Central districts. The result was that the average prices for the year were about 50 per cent. cheaper than those of 1897–98, in the Circars, Kurnool and Bellary, in Anantapur and Cuddapah about 25 per cent. cheaper, whilst elsewhere the fall was slight. In the case of cholam, in the districts where this is recognised as a staple grain, the general course of prices was very similar to that of ragi. The slight fall which occurred during the early months of the year was counterbalanced by a sharp rise except in the Circars during July or August, which in some cases continued till September; after which month there was a general, and for the most part rapid, fall until February or March. The result was that the average rates for the year in the Circars and Deccan were about 50 per cent. cheaper than in 1897–98 and elsewhere about 25 per cent. less; prices in the Circars and Deccan having returned in March to about the normal or standard rates. The prices of cumbu, although they felt the influence of the early failure of the south-west monsoon rainfall, fell generally in the northern half of the Presidency throughout the year. In Cuddapah and the southern half, it was not until September or later that prices became permanently cheaper than they had been in April 1897 and the fall continued up to February, but rates never reached the normal prices adopted for any district and were dearer than the " warning rate " in North Arcot when the year ended.

Wages.

The average rates for the whole Presidency showed little or no change from the previous year. In Chingleput and Salem, the wages of labourers in towns as compared with the previous year showed a considerable increase and in South Arcot a material decrease owing to more accurate reporting. In rural tracts, the wages of agricultural labourers in South Canara fell considerably, a fact due to the fall in the price of the grain in which the wages were either wholly or partly paid. There were also some variations in Kistna, Kurnool, Anantapur, Chingleput, North Arcot and Tinnevelly. In the case of skilled labourers in towns, there were increases in the wages of blacksmiths in North Arcot, carpenters and common masons in Salem and Madura and decreases in the wages of common masons, carpenters and blacksmiths generally during the second half-year in Vizagapatam, Bellary and South Arcot. The increase in North Arcot was due to the demand for such labour in the Mysore mining fields and that in Salem and Madura to the scarcity of labourers. The decrease in Vizagapatam and South Arcot was attributed to the favourable season and that in Chingleput to more accurate reporting. In Ganjám and Trichinopoly there was an increase in the rates of wages of blacksmiths, common masons, carpenters in rural tracts during the first half of the year.

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## LAND RECORDS AND AGRICULTURE. (1898–99.)

General.

The views of the Government of India on the subjects discussed at the agricultural conferences held at the various provincial head-quarters during 1895–96 were embodied in a series of resolutions. The first resolution dealt with the history since 1881 of the work of the Imperial Department of Agriculture; the second with the training, qualifications, and duties of each class of officer of a Land Records establishment; the third discussed the utilization of Land Records; the fourth treated of scientific and national enquiries connected with Agriculture; the fifth, the constitution and duties of the Provincial Agricultural departments; the sixth dealt with agricultural education; and the seventh and eighth discussed methods of publishing agricultural information and the form in which the annual administration reports of the Agricultural departments should be prepared. The whole series was more or less brought under review during the year under report.

Survey training of Revenue Inspectors and karnams.

The total number of Revenue Inspectors' posts in the Presidency during the year was 634. Of these, 607 were held by men trained in survey, three posts were held by men drawing the old scale of pay and two were vacant at the end of the year. The remaining posts were held temporarily by untrained men. The question of improving the survey training of this class of officers was under discussion. It was thought that no rules were considered necessary for reserving a certain proportion of the higher appointments to Revenue Inspectors, but it was decided that men recommended for the post of Deputy Tahsildar should have served as Revenue Inspectors for some time and that no man who has not undergone at least a year's training as Revenue Inspector should be appointed to any place in the districts carrying a salary of Rs. 35 or upwards; thus making it understood that the post of Revenue Inspector is a stepping stone to higher posts in a majority of cases. The orders of the Secretary of State sanctioning the scheme for the improvement of the position of the taluk establishments and for the increase of the salaries of karnams were received during the year and effect was given to the latter scheme in thirteen districts. Schools for the training of karnams in surveying were held in all the districts of the Presidency except Madras. In five districts, however, schools were not held in some of the taluks for one or other of the following reasons:—(1) the prevalence of plague and (2) the employment of karnams on re-survey, on subdivision of village service inams, or in connection with janmam registration. The number of men instructed at the schools was 10,054, while 2,971 men who had been classed as "good" or "fair" in the previous year were exempted from training and were employed in completing their field-measurement books. Of those examined, nearly 50 per cent. obtained good or fair certificates. In South Canara the percentage of such men amounted to more than 75 and in Vizagapatam, Gódávari, Chingleput, North Arcot, Tanjore, Tinnevelly, Malabar and the Nilgiris

this percentage ranged between 50 and 75. In the remaining districts it was below 50.

Famine operations.

In the year under report distress prevailed necessitating the conduct of relief operations in a portion of the Nellore district. The work of the Land Records staff was increased owing to the inspections that had to be made in the affected tracts with a view to granting remissions or postponements of revenue and their services were fully utilised also in superintending relief operations and in conducting the necessary inquiries for the grant of State loans.

Land Records as evidence of right and title.

With a view to the more effective use of the Land Records and the entries therein as evidence of rights and titles, the proposal for amalgamating the Registration with the Land Records Department, which engaged the attention of the conference in 1895–96, was thrown out by the Government of India as likely to cause administrative inconvenience and injurious dislocation of existing arrangements, and it was thought that the object could be sufficiently attained if the Director of the Land Records Department were permitted to receive copies of annual reports of the Registration Department with authority to submit thereon such suggestions and comments as may occur to him for the consideration of the higher Revenue authorities.

Statistical registers.

The form in which the leading statistics of each village are abstracted in what are known as the "firka-books" of every Revenue Inspector's circle was again considered and it was decided that the form now in use answers requirements, inasmuch as it reveals at a glance variations from year to year in the cultivated and irrigated areas as well as particulars regarding wet revenue, seasonal remissions, the extent of protection from wells, collections, arrears, &c. Except in the case of North Arcot, the village registers and the firka-books were completely or almost completely prepared and checked up to fasli 1306 (1895–96). In North Arcot, the village registers and firka-books of 254 villages remained to be checked in one taluk. The reason for this non-completion was not reported. The preparation and checking of these registers and books for fasli 1307 were completed in five, and nearing completion in the remaining districts. In the case of Anantapur, the preparation and checking of the "firka" sheets were retarded as the registers had been sent to the Deputy Commissioner of Revenue Settlement for reference and returned only recently. The progress for fasli 1308 was not great. In the districts of Bellary, Nellore, Coimbatore and Tanjore alone was any considerable progress made and no reports regarding this matter were received from Kurnool, Cuddapah and Madura. The village and taluk accounts in all districts of the Presidency were, as usual, examined at the annual settlement. The village accounts were generally maintained in a fairly satisfactory condition; the maintenance of the Taluk accounts, however, was faulty in some of the districts.

IMPERIAL SCIENTIFIC ENQUIRY—Geology.

The Geological Survey decided to undertake a detailed examination of the mica-bearing area in the Nellore district during the year. The results of the experiments made in smelting Salem iron ore with Bengal coal in England, showed that the sample contained barely 40 per cent. of magnetic iron; that the ore was too poor and too siliceous to be worth exporting; and that it was unsuitable for smelting in a blast furnace. No reports were received intimating corrections to be made in the Provisional Index of Minerals.

Botany.

During the latter part of the year, Mr. C. A. Barber was appointed to the post of the Government Botanist. His term of office in this Presidency was sanctioned for five years. The chief aim of his work is to make a systematic survey of the flora of the Presidency, although his advice will be available on subjects connected with economic botany. To assist him, a small staff was sanctioned, and his head-quarters fixed at Ootacamund, to which place the herbarium has been transferred. Before the close of the year, a tentative programme for the survey, was drawn up, but until the close of the year Mr. Barber was chiefly engaged at Madras in arranging for the transfer of the herbarium to Ootacamund and only commenced field work later on. The work of collecting specimens of the 432 articles included in the index collections for the Imperial Institute was proceeded with, and a further indent, comprised in a volume of 185

pages, was received from the Reporter on Economic Products, by which 50 articles were added to the list for this Presidency.

No report was received from the Assistant Agricultural Chemist to the Government of India, as to the analytical work performed by him during the time he was attached to the College of Agriculture during the year. Chemistry.

The subjoined statement shows the statistics furnished to the Government of India and the Imperial officers under the control of that Government:— Statistics.

| Name of report. | To whom sent. | When due. |
|---|---|---|
| Weekly Season report ... ... ... ... ... ... | Government of India (Revenue and Agriculture). | Every Tuesday. |
| Annual Programme of famine-relief works (Famine Statement C). | | 1st June. |
| „ List of agricultural implements and machines tested and found successful. | | 15th November. |
| „ Statement of collieries ... ... ... ... ... | Government of India (Finance and Commerce). | 20th February. |
| „ Statement of minerals ... ... ... ... ... | Reporter on Economic Products. | 15th April. |
| Half-yearly Statement of wages of agricultural labourers, &c., per mensem. | Government of India (Finance and Commerce). | 25th January and July. |
| Outturn report on late sowings of gingelly ... ... ... | The Director-General of Statistics. | 15th April. |
| First forecast of sowings of cotton ... ... ... ... ... | | 15th August. |
| Forecast of early sowings of gingelly ... ... ... ... | | 15th „ |
| „ of sowings of indigo ... ... ... ... ... | | 15th September. |
| Second forecast of sowings of cotton ... ... ... ... | | 10th October. |
| Forecast of sowings of paddy ... ... ... ... | | 15th „ |
| „ of outturn on the early sowings of gingelly ... ... | | 15th „ |
| First outturn report on cotton ... ... ... ... ... | | 10th December. |
| „ „ on paddy ... ... ... ... ... | | 15th „ |
| Outturn report on indigo ... ... ... ... ... ... | | 15th „ |
| Forecast of the late sowings of gingelly ... ... ... ... | | 1st January. |
| Second outturn report on cotton ... ... ... ... ... | | 10th February. |
| „ „ on paddy ... ... ... ... ... | | 15th „ |
| Statistics of cinchona cultivation ... ... ... ... ... | | 1st July. |
| Rail-borne trade and road traffic return, annual ... ... | | 1st October. |
| Quarterly Returns of rail-borne trade ... ... ... ... | | 1st January, April, July and October. |
| Returns of agricultural statistics ... ... ... ... ... | | 1st November. |
| Statement of cotton and hemp mills ... ... ... ... | | 15th January. |
| „ of paper and woollen mills ... ... ... ... | | 1st April. |
| Statistics of tea and coffee cultivation ... ... ... ... | | 1st July. |
| Fortnightly returns of wholesale and retail prices of certain commodities at selected marts. | | 10th and 25th of each month. |

As the agricultural statistics for the year had not been compiled it was not possible to compare the estimates of area framed in the forecasts with the actual areas sown.

Enquiries in connection with the Bacteriological Survey were conducted in six districts during the year, and reports were drawn up regarding two taluks by the Stock Inspectors. No complete work was, however, turned out by the Superintendent, Civil Veterinary Department, in this respect. In addition to the above, particular outbreaks of cattle disease in the Nilgiri, Salem, Coimbatore, South Arcot and Tinnevelly districts were investigated by the Stock Inspectors and reported on. Veterinary science.

The discussion of the best plan for introducing a system of flood warnings for the Kistna and Gódávari deltas was continued during the year; as regards the Kistna river, a system of flood warnings similar to that contemplated by the Meteorological Reporter to the Government of India is already carried out by the Public Works Department, gauges being fixed in the Tungabhadra at Kurnool and in the Kistna at Pagatur about twelve miles from Kurnool. In the flood season, these gauges are read three times a day and reports are sent from Kurnool to Bezwada. As regards the Gódávari river, the Chief Engineer for Irrigation suggested that it would be of very great advantage if gauges could be set up at Chanda and Sironcha and the readings telegraphed to Dowlaishweram at intervals whenever the river was above the level which experience might show to correspond with important floods at the latter place. The Meteorological Reporter to the Government of India was asked to take the necessary steps for carrying out these suggestions. The only meteorological work with which the Land Records department is directly Meteorology.

concerned is the reporting and tabulation of the rainfall recorded at 403 stations in different parts of the Presidency. The tabulation is entrusted to the Meteorological Reporter to the Government of Madras, who duly published the usual tables during the year. At the close of the year, the post was transferred to Imperial control, but no change was proposed in the arrangements for tabulating the rainfall records.

PROVINCIAL SCIENTIFIC ENQUIRY Farms.

With reference to the general question of agricultural enquiry and the starting of agricultural farms, the duties of the agricultural department are—(1) the collection and arrangement of facts and statistics bearing on all branches of economics and agriculture; (2) the investigation of agricultural defects brought to light by an examination of the land records and the devising of remedies therefor; and (3) the investigation of local agricultural practices and the conduct of experiments on problems suggested thereby. For the proper carrying on of the statistical work, and for bringing to notice and investigating facts which might be gleaned from a study of the statistics, it was suggested that the services of a Deputy Director of Agriculture might be employed, this post being separated from that of Deputy Director of Land Records and the latter post not being revived. The duty of the Deputy Director of Agriculture would then be, subject to the control of the Board of Revenue, to collect, arrange and publish all statistics bearing on agriculture, including rainfall, cultivation, and special crops, prices and wages, irrigation, and trade by land, as well as to prepare therefrom, and from the statistics of the sea-borne trade compiled and issued by the Department of Separate Revenue, reviews and reports in elucidation of economic facts bearing on the condition of the country. Regarding the second item of the duties of the Agricultural Department, the investigation must be chiefly carried out by the Land Revenue staff, and by the Land Record staff when appointed, though it would be part of the duty of the Deputy Director of Agriculture to ledger observations in regard to and, if possible, to suggest a remedy for, any serious agricultural deterioration which may be reported. In regard to the third item, report was called for on—(i) the scope and course of enquiry which should be followed; (ii) the number of experimental farms which will be needed now and in the future, and the programme to be adopted thereat; (iii) the character of the staff to which these inquiries and farms should be entrusted; and (iv) the establishments (including European and Native assistants and inspectors) to be worked up to, and the cost of such establishments in the near and distant future. Regarding the first point, it was suggested that the instructions given need reconsideration with reference to the scheme sketched by the Government of India, and that it was necessary to distinguish between a general investigation of prominent agricultural defects which might and should be made throughout the country, and the more minute investigations which are the function of an experimental farm. In the former case, attention should, from time to time, be concentrated on one prominent defect; in the latter, the working plan might legitimately include the simultaneous trial of as many experiments as the Director guided by his advisers might determine to be eventually required; experiment being set on foot on the experimental farms for some years before the general investigation might be taken up. A proposal to give effect to the above scheme was framed for the consideration of Government, of which the main feature was the establishment of eight experimental farms throughout the Presidency, with a suitable staff for each. As a programme for immediate operations, it was suggested that very early steps should, if funds can be provided, be taken to establish two experimental farms—one in the northern and the other in the southern half of the Presidency. It was suggested that another European agricultural expert should be engaged before the end of the coming official year.

The college farm, Saidapet.

The farm is maintained for educational purposes and not for profit or experiment. Dairy farming is the chief work done on the farm.

Barley show.

At the barley show held in September 1898, out of eight exhibits only two fulfilled the conditions as to quantity, viz., that each should be not less than a bushel. As the barley is grown especially for brewing, it was arranged that at least one of the judges should be experienced in brewing.

Ground-nuts.

Towards the end of March 1898, the Chairman of the Chamber of Commerce, Madras, drew attention to the marked decrease in the exports of ground-nuts from

this Presidency during the last two years and suggested that, in view of the importance of the crop, steps might be taken to send for seed ground-nuts from Africa for local distribution and sale, the theory advanced being that the falling off was due to the deterioration of the seed. Although it was considered that the importation of new seed was likely to give only very temporary relief, it was decided to import a supply of new seed of the best oil-yielding varieties from Africa and also to endeavour to secure varieties from America and Japan. Arrangements were made since the close of the year with the Chamber of Commerce for importing eight tons of seeds, four of which were to be of East African sorts, and four from Mozambique. Some East African seed was received and distributed for sale.

Sugarcane.

The inquiries regarding the disease which had caused so much loss amongst the sugarcane in Gódávari were continued and Dr. Bourne was directed to revisit the district and to report whether the preventive measures recommended by him had been adopted and whether the fungus appeared to be gaining ground or to be disappearing. The result of the examination of the canes showed that the disease is the *Trichosphæria sacchari*. Dr. Bourne was of opinion that there were no signs of improvement and that the disease had spread more widely. His report was forwarded to the Government Botanist for remarks in view of the experience he had gained of sugarcane diseases in the West Indies. That officer was of opinion that though the *Rind fungus Trichosphæria sacchari* was to be found on the canes in this Presidency, yet the appearance of red spots and areas in the tissues should not be regarded as diagnostic of its presence. He added that there might be many other fungi attacking the cane besides *Trichosphæria* and from Dr. Bourne's description he considered that the *Colletotrichum falcatum* was present among the canes as well as the *Trichosphæria sacchari*.

Sisal hemp.

Early in the year, the Honorary Secretary of the Agri-Horticultural Society, Madras, informed Government that upwards of 3,000 plants of the *Agave rigidavar Sisslana* were available and that the committee thought it desirable that these plants should be tried on various soils in the drier parts of the Presidency. The plant was reported to be a valuable fibre kind which produces the *Sisal hemp* of commerce. The offer of the committee was accepted and arrangements were made to distribute the plants to the Collectors of Bellary, Anantapur, Cuddapah, North Arcot, Nellore, Salem, Coimbatore and Madura with instructions as to the proper method of planting and treating the crop.

VETERINARY SCIENCE—Pony and mule breeding operations.

During the year under report nine pony and one donkey stallions worked in Coimbatore and four pony and two donkey stallions in Salem. The average number of coverings per pony stallion was 44 in Coimbatore and 27 in Salem against 41 and 42, respectively, in the previous year. The short work in Salem was ascribed to the prevalence of plague. Out of 362 mares covered during 1897–98 in Coimbatore, the results in the case of 73 mares were unknown; of the rest 56 foaled and 214 or 74 per cent. of the known results were empty. In Salem out of 185 coverings, the results of 70 were unknown; 27 foaled and 75 or 65 per cent. of the known results were empty. The percentage of foals to mares covered during the year was 19·7 in Coimbatore and 23·5 in Salem against 29·0 and 37·0, respectively, in 1896–97. The total number of castrations was 21 in Coimbatore and 266 in Salem. The small number in Coimbatore was due to the absence of the salustri on leave for a long period. Only one pony show was held at Tirupur in June 1898. The number of exhibits was satisfactory and good in quality. The show at Berikai, which should have been held in January, was abandoned on account of plague.

Cattle fair.

The Cattle Disease Act was put into force at 16 places during the year in connection with large cattle fairs, and at all of them a Stock Inspector was present to assist in working the Act. There were no prosecutions under the Act. The Stock Inspectors also attended four other fairs, and five weekly markets where the Act was not enforced.

Statistics.

The following returns were published in connection with local inquiries under provincial direction:—(1) special forecasts on the outturn of ground-nuts and sugarcane; (2) report on the operations of the establishments for stamping weights and measures; (3) comparative statement of irrigation and rainfall; (4) statement of

quantity and value of crops irrigated under major (productive) works and minor works for which capital and revenue accounts are kept; (5) triennial report on the subject of agricultural wages; (6) monthly season reports in three sections (rainfall, cultivation and prices of food-grains and salt); and (7) quarterly and annual reports of cattle mortality.

Agricultural education.

The question how the principles laid down by the Government of India as to reform in primary education and the improvement of readers and text-books so as to provide men competent to give instruction in elementary agriculture, may best be given effect to was considered during the year in consultation with the Director of Public Instruction. In regard to primary education, the Government of India laid down three principles: (i) that elementary science should not be taught as a separate subject but in school readers illustrated by object lessons; (ii) that some plan under which instruction in village maps and land records, and instruction in simple commercial accounts could be given should be included in the curriculum of education for schools of all classes; and (iii) that it should be considered at what stage "agriculture" and the sciences ancillary thereto should be made optional subjects of the school curriculum. In regard to the first point, it was pointed out that in this Presidency under the system at present in force, all lessons given in primary schools that refer to natural objects must be illustrated by the object referred to, either as a model or by specimens. As to the second point raised, it was pointed out that instruction in village maps and land records is of too specialized a character to be suitable for inclusion in the curriculum of primary schools. It was stated with reference to the third recommendation that already the optional subject—elementary science—is included in the curriculum for all standards from the infant to the fourth, and that this forms an introduction to the study of agriculture and the sciences ancillary thereto; in these standards the subject is taught by object lessons. From the fourth to the sixth standard specially-prepared text-books have been introduced, and in the seventh standard the scheme of study is controlled by the technical examination scheme. The principles laid down by the Government of India have, for the most part, already been adopted in this Presidency. Regarding readers and text-books dealing with agriculture and allied sciences it was pointed out that the objects of bringing them up not only to an equally high standard of arrangement, clearness and simplicity throughout India, but also to the best standards in Europe, have been and are held in view. Higher education was carried on at the College of Agriculture, which is administered by the Educational Department in consultation with the Director on all matters of importance. In 1898–99, there were 46 students on the rolls of the college at the end of the year against 49 in the previous year; more than a fourth of these came from outside the Presidency—eight from Bombay and five from Mysore and Coorg. The Agricultural Chemist delivered the usual course of lectures and held practical classes for a period of one month. It was proposed to secure a larger share of his time for work in the College of Agriculture seeing that the number of students at Saidapet is larger than at Poona. The post of Vice-Principal was not filled up during the year. The system of "field cultivation" which was substituted for "plot cultivation" in 1897–98 at the suggestion of the Principal worked well; but the students did not take so much interest in it as they did in "plot cultivation." The veterinary hospital continued to increase in popularity, and the number of cases treated has risen from 380 in 1895–96 to 602 in 1897–98 and 724 in 1898–99 though the scale of fees was slightly raised during the past year.

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## GOVERNMENT HORTICULTURE. (1898–99.)

Gardens.

The rainfall of 49·63 inches was up to the average for Ootacamund. The wettest month of the year was November and the driest, January. There were two dry periods during which no rain fell—the one being from 30th December to 6th February inclusive and the other from 9th February to 30th March inclusive.

This prolonged drought proved exceedingly trying for all the more delicate plants out-of-doors, especially for the shade loving kinds; and also for young trees and other plants planted out during the two last rainy seasons. Fully half of the labour staff was employed almost daily in watering plants for the last three months of the year. At the first sign of frost, all the more tender plants in the lower parts of the gardens were lifted and transferred to the nurseries beyond the reach of frost. With the exception of the latter dry and very trying period, the year was, on the whole, fairly favourable for gardening operations In the Government Botanic gardens, the lawns received considerable attention and they have consequently improved in appearance. The roads and paths were generally repaired. Several useful and important works were done in different parts of the garden. The work of fencing the boundary was continued during the year, and 352 yards of wooden-post-and-wire fencing was erected. Great attention was paid to eradicating the worst of the weeds. Over 1,000 trees and shrubs were planted and some transplanting also was done. The flower beds in the different parts of the gardens were kept in fair order. A piece of land to the north of the Government House was opened up as a supplementary nursery. The Government House gardens also received considerable attention. A row of ivy, 574 feet in length, was planted along the side of the carriage-drive leading to Government House. Several dead and decaying trees were cut and removed from the Stone House Park which was also weeded. Illicit grazing in the park has increased in spite of the efforts of the garden staff to put a stop to it by impounding the animals and grass-cutters were persistent in their efforts to steal grass. The hedge extending between the Ottley Hall and Crewe Hall on the opposite side of the road was kept regularly trimmed. Church Hill Park, Crewe Hall and Ottley Hall Estates were also weeded. The Sim's Park was kept in fair order but the frosts had completely destroyed the tree ferns near the lake. The Burliyar experimental garden was fairly well maintained during the year, and the manure purchased last year was applied to the trees with good results. A few acres in the lower part of the garden were cleared and planted. Experiments were made on the juice of the papaya tree with encouraging results. As nothing was spent on the upkeep of the Gudalur garden, the place is fast becoming like the surrounding jungle.

Library.

The expenditure on library during the year was Rs. 147, the allotment under this head being Rs. 300.

Financial.

The budget and the revised estimates of receipts were Rs. 3,500, but the actuals were Rs. 3,911. The budget estimate of expenditure was Rs. 27,227, but the actuals were only Rs. 23,461. After deducting the receipts, the net cost for the maintenance of the several gardens amounted to Rs. 19,500.

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## GOVERNMENT CINCHONA. (1898-99.)

Season and rainfall.

The season during the year under report was a favourable one for planting. Though the south-west monsoon burst later than usual, there were no heavy falls of rain, and the rainfall was well distributed. The rain during the year was as follows:—(*a*) *Dodabetta*—52·05 inches against 52·44 in 1898; (*b*) *Nedivattam*—85·51 inches against 107·64; and (*c*) *Hooker*—79·41 inches against 93·90. The damage from the frosts at Dodabetta in December and January was slight.

Financial.

The receipts aggregated Rs. 91,039 against an expenditure of Rs. 1,94,604, the sanctioned estimates under the two heads being Rs. 1,00,000 and Rs. 2,02,000, respectively. The actual expenditure under cost of stores and purchase of bark was Rs. 1,33,007, or an excess of Rs. 87,188 over the expenditure of the previous year. Of this excess, the sum of Rs. 60,120 represented the extra expenditure on the purchase of bark, and Rs. 27,068 that of the extra money laid out on the purchase of chemicals. This extra expenditure was required for the largely-increased output of quinine and for maintaining a reserve stock of chemicals and oils.

Permanent plantations

The Dodabetta estate continued to flourish. The oldest trees on the estate were among the healthiest and most vigorous, and they responded readily to manure and cultivation. Eight acres of new land were opened out; of these, 4¼ acres were planted with seed gathered on the estate, and 3½ acres with seed obtained from Jamaica. These plots are growing vigorously and coming on very well. The plot of 2 acres planted last year with plants raised from Jamaica seed is coming on well, but the plants raised from that seed are, with few exceptions, hybrids of sorts, and not the true officinalis variety. At *Nedivattam*, the oldest portions of the estate were looking well, and the condition of the younger portion, chiefly hybrids on old land, improved. It was found necessary to coppice 20,375 sickly trees. The plants put out on old land during the two previous years having failed to a great extent in spite of every care bestowed on them, the attempt to grow cinchona on old land was, therefore, definitely abandoned; and the land once denuded of cinchona will be utilized for the growth of fuel trees. The *Hooker* estate had a somewhat patchy appearance, due to the fact that nearly the whole of the estate was growing a second crop of cinchona. 27,891 sickly and dying trees were coppiced and 35,573 lb. of bark obtained. All bare plots on this estate are to be planted with fuel trees. The No. 1 extension of 80 acres of forest land was planted in blocks with plants raised from estate officinalis seed and Jamaica seed, and it promises to be a great success, though, as at Dodabetta, the hybrid character of the plants grown from Jamaica seed is very noticeable. Many of the plants which measured about 4 inches when put out are now from 18 inches to 2 feet in height, and have a fine robust appearance.

Crop.

Cinchona bark was again purchased during the year from private growers to the extent of 405,074 lb. at a cost of Rs. 82,121, or at the average rate of 3 annas 2·9 pies per lb. Of this quantity, 347,451 lb. were worked up during the year and 57,623 lb. remained in store at its close.

Factory.

The cost of manufacturing each pound of alkaloid was Rs. 7–11–7 against Rs. 7–3–3 and Rs. 8–2–2 in the two preceding years; and deducting the cost of the raw material, the cost of manufacture and distribution per pound was Rs. 2–4–6 against Rs. 2–0–7 and Rs. 2–7–7 in the two previous years. Allowing for the fact that febrifuge is a bye-product in the manufacture of quinine, it is estimated that the cost of each pound of quinine was Rs. 9–9–6, and that of a pound of febrifuge Rs. 4–7–5. The crown barks worked up during the year averaged 3·37 per cent. of sulphate of quinine and 1·01 per cent. of febrifuge, and red barks gave 3·94 per cent. of febrifuge. The average percentage yield of all barks used was 4·29 of total alkaloids. During the year 12,603 lb. of quinine were manufactured; at the beginning of the year the balance on hand was 3,618 lb., or 16,221 lb. in all. Of this quantity, 4,629⅞ lb. were issued to the Medical depots of Madras, Bombay, Nagpore and Mysore, to the Provinces of Burma and Hyderabad, to Native States, jails, local fund and municipal dispensaries, to the public, and for sale by post offices, and the balance in hand at the close of the year was 11,591⅛ lb. The quantity of febrifuge manufactured during the year was 7,238 lb., there remained in hand at the close of the last year 5,660 lb., making in all 12,898 lb. Of this quantity, 1,623½ lb. were issued to Medical depots of Bombay, municipal and local fund dispensaries, Native States, &c., leaving at the end of the year 11,274½ lb. During the year 610 packets, each containing 102 fine grain powders, were sent out to Collectors for sale by Revenue officials.

Sale of quinine.

A marked falling off occurred in the sales of quinine powders by postmasters during the year as compared with the previous year. The number of packets each containing 102 five-grain powders sent out, was 4,766·14 against 8,605 in the previous year, or including permanent advances supplied, 5,045·62 against 9,030 in the year before.

# FORESTS.

(1st July 1898 to 30th June 1899.)

In Ganjám the revenue from the usufruct of toddy-yielding trees in the reserved forests and Government waste and poramboke lands was insignificant. In Kurnool the fixed fee system is working well, while in Anantapur it has resulted in a loss to the department. In Bellary and Anantapur the revenue fell short of that of the previous year. There was no demand for tapping in reserved forests and lands in the former district. In North Arcot the system of selling by public auction the lease of the usufruct of the toddy-yielding trees was continued during the year, and fixed fees were, as reported last year, levied on only a few trees in the reserved forests. The introduction of the fixed fee system was postponed to 1899–1900. In Madura there was no collection under this head, as the number of trees is small, and no purchasers came forward. In Tinnevelly the revenue derived from this source amounted to Rs. 1,682. The timber transit rules in Ganjám are reported to require some modification. In Vizagapatam and Kurnool they worked satisfactorily, but in the latter the marking of timber by a pass hammer which was done away with during the year gave room to smuggling of timber. Rules under sections 35 and 36 of the Forest Act were introduced during the year in the districts of Gódávari and Tinnevelly. A portion of these rules relating to the registration of property marks and special rules applicable to all rivers, &c., were sanctioned during the year for South Malabar. In South Coimbatore timber transit rules were worked without undue hardship to the people. In Cuddapah the timber transit rules have proved of great value in minimising the illicit removal of timber. The concession allowed under rule 7 of the rules under section 26 of the Forest Act was availed of by the people generally in almost all the districts. In Vizagapatam the exclusion of certain species from class III of the classified list of trees mentioned in the last year's report was widely made known and accepted freely by the public. In North Coimbatore, it is reported, the concessions are abused and in many parts unreserved forests are being gradually stripped of growth, much damage being done to the more valuable trees by graziers. In Salem out of the total demand of Rs. 26,552 on account of the value of the growth on the lands assigned for coffee cultivation on the Shevaroys, Rs. 3,474 were collected during the year under report, and Rs. 18,875 in previous years. The balance will be collected when the instalments fall due. A lease-deed for 46 acres of land on the Yelagiris was executed during the year. In South Coimbatore the terms of lease-deeds for leases on the Anamalais were finally settled and almost all the lessees have paid up the arrears of rent and the agreements are being executed. The demand for land is slack as the price of coffee has considerably fallen. One deputy ranger from the Northern Circle and one forester from the Southern Circle were deputed during the year to the Forest school for training. Three deputy rangers returned from the school with ranger's certificates, *i.e.*, one to each circle. The conduct and work of the subordinate executive staff still leave much room for improvement. Two rangers were suspended and 2 reduced. The prosecution of two Deputy Rangers on charges of misappropriation was sanctioned. Nine foresters were suspended, 3 dismissed and 2 convicted of extortion. In the Northern Circle, Vizagapatam, Gódávari and Kurnool continued to be as unhealthy as ever. In the Central Circle the health of the establishment was bad in Nellore, North Arcot and Salem. In the Southern Circle health was, on the whole, better in South Canara, Madura and Tinnevelly; fair in the Nilgiris, indifferent in North and South Coimbatore, and bad in North and South Malabar. Twelve elephants were captured during the year. One calf was born in North Malabar. Four elephants died and 4 were sold; 1 was shot, 1 ran away and 2 were transferred to the Public Works Department. The number of elephants borne on the strength of the department was 53 against 52 in the previous year. Two firms have applied for and obtained the sanction of Government for prospecting the Kanjamalai reserve for iron ore for a period of two and-a-half years. Mica mining is carried on in Nellore. New rules were framed on the subject and introduced in 1897–98, and all the mines have been brought under these rules during the year. Twenty-six mines are now actually working in the district. The royalty collected during

General

the year was Rs. 22,617. The industry is well established and every endeavour has been made to meet the wishes of the lessees. In Gódávari the right to prospect for graphite for another year in Bhadráchalam sub-division has been granted to Messrs. Hall, Wilson & Co.

Areas and boundaries.

The changes that have taken place during the year in the area of the State forests in the three circles and in the Presidency as a whole are presented in the following abstract:—

| Classes and areas of forests. | Area on 1st July 1898. | Added during the year 1898-99. | Excluded during the year 1898-99. | Net increase or decrease. | Area on 30th June 1899. |
|---|---|---|---|---|---|
| *Northern Circle.* | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. |
| Reserved forests | 4,802 | * 14<br>† 318 | * 13<br>† ... | + 319 | 5,151 |
| Reserved lands | 2,103 | * 24<br>§ 269 | * 39<br>‡ 98<br>52<br>¶ 348 | 244 | 1,859 |
| Total | 6,905 | 655 | 550 | + 105 | 7,010 |
| *Central Circle.* | | | | | |
| Reserved forests | 5,565 | * 190<br>† 379 | * 92 | + 477 | 6,042 |
| Reserved lands | 1,262 | * 8<br>§ 186 | * 2<br>‡ 22<br>‖ 10<br>¶ 379 | - 219 | 1,043 |
| Total | 6,827 | 763 | 505 | + 258 | 7,085 |
| *Southern Circle.* | | | | | |
| Reserved forests | 3,408 | * ...<br>† 288 | * ...<br>‡ 1<br>* 2 | + 287 | 3,695 |
| Reserved lands | 2,113 | * ...<br>§ 17 | ‡ 27<br>‖ 9<br>¶ 288 | - 309 | 1,804 |
| Total | 5,521 | 305 | 327 | - 22 | 5,499 |
| *Total.* | | | | | |
| Reserved forests | 13,775 | * 204<br>† 1,015 | * 105<br>‡ 1 | + 1,113 | 14,888 |
| Reserved lands | 5,478 | * 32<br>§ 472 | * 43<br>‡ 147<br>‖ 71<br>¶ 1,015 | - 772 | 4,706 |
| Grand Total | 19,253 | 1,723 | 1,382 | + 341 | 19,594 |

* Rectification of area. ‡ Disafforested or unreserved. ‖ Excluded at settlement.
† Transferred from reserved lands. § Newly-constituted reserved lands. ¶ Transferred to reserved forests.

The net results showed an increase of 341 square miles in the total area brought under the Forest Act, against an increase of 346 square miles during 1897–98. The largest addition to the area was, as in the previous year, in Kurnool where 59 square miles of unreserved land were notified under section 4 of the Forest Act, and 183 square miles newly notified by the Collector as "reserved lands" under Rule 5 of the rules under section 26 of the Act. None of the areas which remained as "reserved lands" under section 26 during the previous year was notified under section 4. In Cuddapah 108 square miles were notified under section 4; the addition was only 65 square miles, the rest of the area having been constituted "reserved lands" in previous years. 49 square miles were added to the area of the State forests in Trichinopoly entirely consisting of the selections in the Musiri range notified

under section 4 during the year. In Nellore, Salem, Bellary and the Nilgiris, 40, 30, 27 and 11 square miles, respectively, were added, but these additions were more than counterbalanced by the exclusions at settlement or the unreservation of areas in other districts. 148 square miles were abandoned during the year chiefly in the districts of Vizagapatam, Bellary, South Canara and Cuddapah. The increase in the area of reserved forests was contributed mainly by the districts of Ganjám, Anantapur, Kurnool, and Kistna in the Northern Circle, Cuddapah, Nellore and North Arcot in the Central Circle and South Malabar and South Canara in the Southern Circle. In North Arcot there was only an actual addition of 24 square miles, but 98 square miles were also added as the result of the computation of the area of the previously existing reserves according to the Survey of India maps received during the year. It has not been reported whether the survey of the extent of the enclosures erroneously included in the area of the reserves mapped by the Survey of India party in Salem alluded to in the report for the previous year has been completed. The following statement shows the forest area of each district and the percentage which it bears to the district area and to unoccupied lands. For the Presidency the percentage of the area reserved has risen slightly from 37·21 to 37·87 and is commensurate with the increase to the forest area, no changes having been recorded during the year in the district areas for want of information :—

| Districts. | Reserved forests and reserved lands. | | | Percentage of reserves to district areas excluding zamíndári and whole inám villages. | Percentages of reserves to other than occupied area. |
|---|---|---|---|---|---|
| | Reserved forests under Act V of 1882. | Reserved lands. | Total of reserves. | | |
| *Northern Circle.* | SQ. MLS. | SQ. MLS. | SQ. MLS. | | |
| Ganjám ... ... | 415 | 123 | 538 | 12·12 | 14·04 |
| Vizagapatam ... | 142 | 212 | 354 | 25·68 | 31·80 |
| Gódávari ... ... | 866 | 90 | 956 | 24·04 | 39·43 |
| Kistna ... ... | 748 | 396 | 1,144 | 20·03 | 47·21 |
| Kurnool ... ... | 2,004 | 896 | 2,900 | 42·65 | 60·95 |
| Bellary ... ... | 476 | 135 | 611 | 13·17 | 31·43 |
| Anantapur ... ... | 500 | 7 | 507 | 11·09 | 21·09 |
| Total ... | 5,151 | 1,859 | 7,010 | 22·31 | 37·09 |
| *Central Circle.* | | | | | |
| Cuddapah ... ... | 1,855 | 598 | 2,453 | 32·40 | 45·10 |
| Nellore ... ... | 652 | 56 | 708 | 17·38 | 30·64 |
| Chingleput ... ... | 210 | 5 | 215 | 10·49 | 21·03 |
| North Arcot ... | 1,169 | 67 | 1,236 | 31·65 | 48·98 |
| South Arcot ... | 685 | 24 | 709 | 14·23 | 28·33 |
| Salem ... ... | 1,237 | 186 | 1,423 | 26·39 | 44·09 |
| Trichinopoly ... | 216 | 107 | 323 | 12·02 | 31·51 |
| Tanjore ... ... | 18 | ... | 18 | 0·72 | 2·54 |
| Total ... | 6,042 | 1,043 | 7,085 | 21·38 | 37·77 |
| *Southern Circle.* | | | | | |
| South Canara ... | 284 | 811 | 1,095 | 28·19 | 34·21 |
| Malabar ... ... | 349 | 251 | 600 | 10·78 | 15·10 |
| The Nilgiris ... ... | 358 | 133 | 491 | 51·30 | 75·77 |
| Coimbatore ... ... | 1,715 | 560 | 2,275 | 31·17 | 66·21 |
| Madura ... ... | 572 | 37 | 609 | 18·77 | 39·03 |
| Tinnevelly ... ... | 417 | 12 | 429 | 12·02 | 33·80 |
| Total ... | 3,695 | 1,804 | 5,499 | 22·43 | 39·04 |
| **Grand Total** ... | 14,888 | 4,706 | 19,594 | 22·00 | 37·87 |

Forest settlements.

The progress of forest settlement is shown in the subjoined statement :—

| Circle. | Area of reserved lands. | | | | | Area brought under Chapter II of the Madras Forest Act. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | On 1st July 1898. | Added during 1898-99. | Total. | Excluded during the year mainly by reason of constitution as reserved forests. | Balance at the end of the year. | Area notified under section 4, not constituted reserved forests on 1st July 1898. | Added during 1898-99. | Total. | Constituted reserved forests during 1898-99, or otherwise disposed of. | Balance notified under section 4, but not constituted reserved forests on 1st July 1899. |
| | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. | SQ. MLS. |
| Northern ... ... | 2,103 | 293 | 2,396 | 537 | 1,859 | 1,336 | 118<br>* —17 | 1,437 | 348<br>† 51<br>‡ 52 | 986 |
| Central ... ... | 1,26 | 194 | 1,456 | 413 | 1,043 | 1,072 | 240<br>* + 6 | 1,318 | 379<br>† 19<br>‡ 10 | 910 |
| Southern ... ... | 2,113 | 17 | 2,130 | 326 | 1,804 | 1,419 | 135 | 1,554 | 288<br>† 5<br>‡ 9 | 1,252 |
| Total ... | 5,478 | 504 | 5,982 | 1,276 | 4,706 | 3,827 | 493<br>* —11 | 4,309 | 1,161 | 3,148 |

* Rectification of area. † Initial notifications cancelled. ‡ Excluded at settlement.

Demarcation.

1,575 miles of preliminary and 1,573 miles of permanent demarcation were completed during the year at an average cost per mile of Rs. 3-1-9 and Rupees 11-11-0, respectively. 4,981 miles of old lines were cleared at a cost of Rs. 12,139.

Surveys and working plans.

The Survey of India operations were continued by the combined Parties Nos. 9 and 19 in Kurnool in the Northern Circle, Cuddapah, Salem and South Arcot in the Central Circle, and Madura and Coimbatore in the Southern Circle. The outturn during the survey year from 1st September 1898 to 31st August 1899 was as follows :—

| Districts. | Triangulation. | Traversing. | Topography. | |
|---|---|---|---|---|
| | | | Total. | Reserved forests. |
| | SQ. MLS. | L. MLS. | SQ. MLS. | SQ. MLS. |
| Kurnool ... ... ... ... | 150 | 341 | 303 | 303 |
| Cuddapah ... ... ... ... | 550 | 121 | 334 | 241 |
| Coimbatore ... ... ... ... | 250 | 261 | 688 | 417 |
| Madura ... ... ... ... | ... | ... | 13 | 13 |
| Salem ... ... ... ... | ... | ... | 2 | 2 |
| South Arcot ... ... ... | ... | ... | 10 | 10 |
| Total ... | 950 | 723 | 1,350 | 986 |
| Total for the preceding year ... | 3,331 | 712 | 1,050 | 811 |

The outturn under triangulation was purposely restricted, as there was a large margin of the previous year's advance triangulation remaining for purposes of detail survey. The boundary traversing carried out was only slightly larger than in the previous year. The decrease under triangulation was more than compensated by the increase in topography which exceeded the estimated programme by 170 square miles and the previous year's work by 30 per cent., and is the highest record yet reached. The work in Kurnool and Cuddapah was conducted by a

separate section of the parties in each, and was confined to the survey of the reserves in the Nallamalais and Lankamalais. A double section was at work in North Coimbatore. The operations in South Arcot and Salem were completed. The work in Madura consisted of the survey of extensions of reserves on the Palni hills. District Forest-officers visited the Survey office at Bangalore during the recess for the verification of the maps with the notifications. The corrections have been inserted in the fair maps and 36 of the year's work and 19 of the preceding year's work have been submitted for publication. The fair drawing of all maps was completed including 18 in connection with which field work has to be done in the next season. The actual expenditure, inclusive of the cost of instruments, amounted for the survey year to Rs. 1,00,510, which is less than the preceding year's cost by over Rs. 29,000. The cost rate per square mile of topography was Rs. 74 against Rs. 119 in the previous year, and the reduction is attributed to the proper re-organization of the combined parties. Two surveyors were employed in Ganjám and surveyed 323 miles, of which 199 refer to compact blocks and 124 to enclosures and parts of boundaries hitherto unsurveyed. In Gódávari a considerable portion of the surveyor's time was devoted to resurveying settled reserves and 51 miles were thus surveyed. The outturn in Kistna amounted to 94 miles, and in Nellore to 3 miles forming the survey of the Rapur-Veligonda boundary line and the Tammanipatam plantation reserve. In South Malabar the work consisted of the swamps and portions unsuitable for planting in coupe 1 in the Karimpoya reserve. The area of reserved forests for which final maps were prepared up to 30th June 1899 amounts to 8,518 square miles.

Forest offences.

The following summary shows by circles the new cases of the year with particulars of last year for comparison:—

| Circle. | Year. | Number of cases pending at commencement of the year. | New cases of the year. | | | | | Total cases. | Cases pending at close of year. |
|---|---|---|---|---|---|---|---|---|---|
| | | | Injury by fire. | Unauthorised felling, &c. | Illicit grazing. | Other offences. | Total new cases. | | |
| Northern ... | 1897-98 ... | 710 | 17 | 2,672 | 1,384 | 369 | 4,442 | 5,152 | 665 |
| | 1898-99 ... | 665 | 35 | 2,580 | 1,793 | 320 | 4,728 | 5,393 | 629 |
| | Difference ... | − 45 | + 18 | − 92 | + 409 | − 49 | + 286 | + 241 | − 36 |
| Central ... | 1897-98 ... | 682 | 53 | 3,710 | 3,825 | 377 | 7,965 | 8,647 | 1,054 |
| | 1898-99 ... | * 1,078 | 17 | 4,879 | 5,264 | 401 | 10,561 | 11,639 | 1,305 |
| | Difference ... | + 396 | − 36 | + 1,169 | + 1,439 | + 24 | + 2,596 | + 2,992 | + 251 |
| Southern ... | 1897-98 ... | 384 | 42 | 1,525 | 762 | 257 | 2,586 | 2,970 | 462 |
| | 1898-99 ... | * 457 | 92 | 1,613 | 1,107 | 194 | 3,006 | 3,463 | 430 |
| | Difference ... | + 73 | + 50 | + 88 | + 345 | − 63 | + 420 | + 493 | − 32 |
| Presidency ... | 1897-98 ... | 1,776 | 112 | 7,907 | 5,971 | 1,003 | † 14,993 | 16,769 | 2,181 |
| | 1898-99 ... | 2,200 | 144 | 9,072 | 8,164 | 915 | † 18,295 | 20,495 | 2,364 |
| | Difference ... | + 424 | + 32 | + 1,165 | + 2,193 | − 88 | + 3,302 | + 3,726 | + 183 |

* *Vide* explanation in form No. 50 for variation of opening balance.
† Excludes petty offences in South Canara let off with a warning.

For the Presidency there was an increase under every head except "other offences," and the total number of new cases during the year increased by 22 per cent. The largest increase (32·6 per cent.) was in the Central Circle. The Southern Circle ranked next with 16·2 per cent. The inclusion of undetected cases in the returns accounted for the comparatively small increase (6·4 per cent.) in the Northern Circle. The cases of "injury by fire" increased in the Northern and Southern Circles and decreased largely in the Central Circle. The fall in the last-mentioned circle was general, but was particularly noticeable in South Arcot where the offences reported decreased from 37 to 9. The increase in the Northern Circle occurred principally in Vizagapatam, Gódávari and Anantapur. In the last-mentioned district there were no cases of fire during the previous year, but all the 11 cases of the year under report were undetected. In the Southern Circle 37

and 33 cases were reported in South Canara and Tinnevelly. Most of these cases which were due to incendiarism were undetected, and it was impossible to get any clue to the offenders. There was a falling off in the cases of "unauthorized felling" in the Northern Circle. "Illicit grazing" increased considerably in all the circles, 29·5 per cent. in the Northern Circle, 37·6 per cent. in the Central Circle, 45·2 per cent. in the Southern Circle, and 36·7 per cent. for the Presidency. "Other offences" diminished in the Northern and Southern Circles and increased slightly in the Central Circle.

Forest fires and fire protection.

The following abstract exhibits the results of fire protection as compared with those of the preceding year :—

| Circles. | During 1897-98. | | | During 1898-99. | | |
|---|---|---|---|---|---|---|
| | Area attempted in square miles. | Percentage of area attempted which escaped fire. | Average cost per square mile. | Area attempted in square miles. | Percentage of area attempted which escaped fire. | Average cost per square mile. |
| | | | Rs. A. P. | | | Rs. A. P. |
| Northern ... ... ... ... | 1,069 | 94 | 9 0 4 | 963 | 95·1 | 10 10 9 |
| Central ... ... ... ... | 2,379 | 96·7 | 5 9 8 | 2,416 | 98·9 | 5 3 8 |
| Southern ... ... ... ... | 1,873 | 89·7 | 7 3 7 | 1,747 | 93·6 | 6 10 4 |
| Total ... | 5,321 | 93·6 | 6 13 9 | 5,126 | 96·3 | 6 11 9 |

There was no change in the system of fire protection previously reported. The net result of the operations showed a decrease of 195 square miles in the area attempted to be protected and of Rs. 1,983 in the cost incurred. The latter amounted to Rs. 34,532 during the year under report. The percentage of area burnt to the area attempted is 4·9 in the Northern Circle, 1·1 in the Central and 6·4 in the Southern Circle against 6, 3·3 and 10·3, respectively, in the preceding year, and 2·0, 1·5, and 1 in 1897–98.

Grazing.

Owing to the favourable character of the season no reserves were thrown open to free-grazing except in the district of South Arcot where some of the firewood coupes continued to be open for over a month at the beginning of the year. The total area of reserved forests and reserved lands rose from 19,253 to 19,594 square miles. Of these, 1,824 square miles were closed to all animals throughout the year and 132 square miles for a portion of the year, against 1,792 and 233 square miles, respectively, in the previous year. The revenue from grazing and grass removals rose from Rs. 3,63,905 to Rs. 4,34,043. The increase was common to all the circles.

Natural reproduction.

The year was on the whole favourable to natural reproduction and the progress under this head may be regarded as satisfactory. Reproduction from seed was good in Ganjám particularly that of *Bambusa arundinacea*. In Vizagapatam, *Chloroxylon swietenia* continued to coppice freely in all the coupes. In Gódávari there was a good growth of *Tectona grandis*, *Terminalia tomentosa* and *Xylia dolabriformis* besides several other species which regenerated well. In Kistna the coppicing of *Acacia Arabica* is reported to be satisfactory, shoots rising to 10 feet in four seasons, cattle being excluded. *Hardwickia* reproduced itself satisfactorily in the closed portions of the Bollapalli, Kakirala and Guttikonda forests. Bamboo has thriven well in the Kondavid reserve. In Kurnool reproduction was favoured by the comparative absence of fires. Seedlings of *Pterocarpus santalinus* and regrowth of bamboos were most prominent. In Bellary and Anantapur natural reproduction was unsatisfactory owing to the extreme dryness of the climate. Except in areas under rigid protection the seedlings of *Hardwickia* died off after the cessation of the rains. Regeneration was poor in Cuddapah owing to scanty rain. In Nellore reproduction was not promising owing to continued west wind which was a most parching one. In Chingleput regeneration from coppice was satisfactory, but that from seed not so promising. In North Arcot reproduction from seed in closed areas was good except that of *Pterocarpus santalinus* which was poor owing to want of cover; that from coppice was also encouraging. Root suckers in the Gudiyáttam range were thriving well. In Salem natural reproduction from coppice continued to make satisfactory progress in the coupes felled on the

coppice with standard system during previous years while that from seed in some of the specially protected areas was fairly good. In the Singarapatti block numerous *Chloroxylon swietenia* (Satinwood), *Acacia catechu* and *Albizzia amara* seedlings were found. In areas not under special protection, reproduction is generally unsatisfactory and only existed in places where the thorny undergrowth protected the seedlings from being grazed over by cattle. In Trichinopoly regeneration from seed and coppice was good, the chief species being *Inga dulcis*, *Acacia Arabica*, *Cassia florida*, *Chloroxylon swietenia*, *Mimusops hexandra*, *Albizzia amara* and *Acacia planifrons*. Casuarina did not coppice satisfactorily in the Coleroon and Cauvery padugais while *Memecylon* did well in the felled coupes of the Udaiyarpálaiyam range. In South Canara natural reproduction from seed was excellent in the ever-green forests on the ghâts. It is here where the *Pœciloneuron Indicum* occurs in profusion and in almost pure forest which it is hoped will prove a valuable timber for sleeper and paving block purposes. The coppice growth in blocks felled for fuel was generally excellent and often remarkable, that of *Acacia catechu* was reported to be very good and greatly assisted by successful fire protection. Fires and dense undergrowth brushwood and grass continue to retard natural reproduction in North Malabar. In South Malabar regeneration from seed was excellent, notably *Dalbergia latifolia* and *Xylia*. In the Nilgiris natural reproduction from seed in the outer slopes of the hills in the Coonoor range was poor. In Segur range it was better and numerous seedlings were noticeable. In Mudumalai range teak (*Tectona grandis*), vengai (*Pterocarpus marsupium*) and blackwood (*Dalbergia latifolia*) were growing fairly well. In North Coimbatore the growth from seed was poor in the case of teak (*Tectona grandis*) but good in respect of Acha (*Hardwickia binata*). Coppice reproduction was satisfactory. In South Coimbatore there was a fair growth of *Hardwickia binata* seedlings in the Gopanari reserve. Seedlings of *Bassia elliptica*, *Messua ferrea*, *Pœciloneuron pauciflorum* came up in great profusion in the ever-green forests on the Anamalais, but there seemed to be a tendency for the former to die out. Coppice growth was good in Singara tope and Aiyarangal working-circles. In Madura regeneration from seed in the ever-green forests was good and coppice growth of *Albizzia amara* was also satisfactory. The condition of timber trees in the deciduous forests was poor. Coppice growth was satisfactory in Tinnevelly in coupes felled over.

Communications and buildings.

The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

| | 1897-98. | 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Roads and bridges ... ... ... ... ... ... | 33,689 | 38,614 |
| Buildings ... ... ... ... ... ... ... | 44,205 | 49,409 |
| Other works ... ... ... ... ... ... ... | 5,783 | 5,376 |

Compared with the figures of the previous year there was an increase of expenditure under "roads and bridges" and "buildings" and a decrease under "other works." In the Northern Circle a sum of Rs. 14,737 was spent on roads and bridges. A very large portion of this expenditure was incurred in Gódávari, Kistna and Kurnool. In the Central Circle there was an expenditure of Rs. 5,713 on roads, chiefly in North Arcot and Salem under new works and in Cuddapah under repairs. In the Southern Circle the expenditure on roads amounted to Rs. 18,614. The bulk of this sum was spent on repairs in all the districts, except South Canara, South Malabar and Madura. Under "buildings" the most important new works undertaken in the Northern Circle consisted of the construction of rest-houses at Tunikicheruvu, Narlakonda and Jeediguppa in Gódávari, inspection camps at Bandlapenta and Dornal in Kurnool, and a rest-house at Rallapalli in Anantapur. The expenditure in the Central Circle was chiefly confined to repairs. In the Southern Circle a large outlay was incurred on buildings. The chief works in North Malabar were the construction of a rest-house at Begur, of a shed for drying gum-kino at Manantoddy, of a sandalwood godown at Kollegal in North Coimbatore and of a workshop for saw mill and peons' line at Mount Stuart and a chattram for coolies on the Anamalais in South Coimbatore.

Yield and working.

The subjoined abstract shows the total outturn under timber and other produce during the year as compared with that of the previous year :—

| — | Timber (in cubic feet) including sandalwood. | | Fuel (in cubic feet). | | Bamboos (in numbers). | | Minor produce (gross value in rupees). | |
|---|---|---|---|---|---|---|---|---|
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| By Government agency ... | 412,399 | 662,916 | 2,086,473 | 2,889,534 | 258,738 | 397,177 | 50,921 | 41,649 |
| By purchasers (including confiscations) ... ... | 2,142,931 | 1,958,096 | 9,573,202 | 10,229,486 | 28,833,424 | 25,535,500 | * 905,832 | * 902,537 |
| By free grants ... ... | 62,652 | 54,058 | 5,168 | 3,183 | 203,573 | 126,970 | 1,829 | 2,334 |
| By right-holders ... ... | 1,811 | 1,423 | 257,585 | 257,523 | 21,314 | 21,370 | 40,411 | 40,304 |
| Total ... | 2,619,793 | 2,676,493 | 11,922,428 | 13,379,726 | 29,317,049 | 26,081,017 | 998,993 | 986,824 |
| Increase or decrease in 1898-99 as compared with 1897-98 ... ... ... | ... | + 56,700 | ... | + 1,457,298 | ... | − 3,236,032 | ... | − 12,169 |
| Percentage of increase or decrease over the previous year's total ... ... | ... | + 2·1 | ... | + 12·2 | ... | − 11·0 | ... | − 1·2 |

* Includes grazing fees.

There was an increase in the total quantity of produce collected departmentally under all heads except "minor produce." The sale of produce so collected realized Rs. 4,49,647 against Rs. 4,78,301 in the preceding year. Of this total, timber yielded Rs. 1,67,411; fuel, Rs. 1,96,273; bamboos, Rs. 8,159; sandalwood Rs. 27,796; minor produce, Rs. 50,008. There was a slight decrease in the average cost of collection under all heads except "minor produce." The subjoined abstract shows the quantity and value of timber and other produce removed by purchasers compared with the results of the preceding year :—

| — | During 1897-98. | | | During 1898-99. | | |
|---|---|---|---|---|---|---|
| | Quantity. | Amount of sales. | Average. | Quantity. | Amount of sales. | Average. |
| *Northern Circle.* | TONS. | RS. | RS. A. P. | TONS. | RS. | RS. A. P. |
| Timber ... ... ... C. ft. | 967,369 | 1,08,203 | 0 1 9 | 1,109,119 | 1,15,757 | 0 1 8 |
| Firewood ... ... ... ,, | 2,077,816 | 47,746 | 0 0 4 | 2,683,229 | 59,575 | 0 0 4 |
| Bamboos ... ... ... No. | 12,264,891 | 61,930 | 0 0 1 | 14,223,975 | 67,983 | 0 0 1 |
| Grass and grazing ... ... ... | ... | 1,10,463 | ... | ... | 1,43,594 | .. |
| Minor produce ... ... ... | ... | 2,46,345 | ... | ... | 1,67,455 | ... |
| Total ... | ... | 5,74,687 | ... | ... | 5,54,364 | ... |
| *Central Circle.* | | | | | | |
| Timber ... ... ... C. ft. | 778,857 | 92,589 | 0 1 11 | 510,865 | 59,030 | 0 1 10 |
| Firewood ... ... .. ,, | 4,059,078 | 1,56,964 | 0 0 7 | 3,058,873 | 1,07,643 | 0 0 7 |
| Bamboos ... ... ... No. | 12,303,451 | 98,693 | 0 0 2 | 7,291,137 | 44,050 | 0 0 1 |
| Grass and grazing ... ... ... | ... | 1,76,968 | ... | ... | 2,08,171 | ... |
| Minor produce ... ... ... | ... | 2,13,738 | ... | ... | 2,12,071 | ... |
| Total ... | ... | 7,38,952 | ... | ... | 6,30,965 | ... |
| *Southern Circle.* | | | | | | |
| Timber ... ... ... C. ft. | 344,351 | 48,393 | 0 2 3 | 275,561 | 31,215 | 0 1 10 |
| Firewood ... ... ... ,, | 3,357,082 | 73,761 | 0 0 4 | 4,381,191 | 1,12,586 | 0 0 5 |
| Bamboos ... ... ... No. | 4,178,232 | 24,079 | 0 0 1 | 3,978,543 | 18,728 | 0 0 1 |
| Grass and grazing ... ... ... | ... | 76,614 | ... | ... | 82,402 | ... |
| Minor produce ... ... ... | ... | 81,243 | ... | ... | 88,054 | ... |
| Total ... | ... | 3,04,090 | ... | ... | 3,32,985 | ... |
| Presidency Total. Timber ... C. ft. | 2,090,577 | 2,49,185 | 0 1 11 | 1,895,545 | 2,06,002 | 0 1 9 |
| Presidency Total. Firewood ... ,, | 9,493,976 | 2,78,471 | 0 0 6 | 10,123,293 | 2,79,804 | 0 0 5 |
| Presidency Total. Bamboos ... No. | 28,746,574 | 1,84,702 | 0 0 1 | 25,493,655 | 1,30,761 | 0 0 1 |
| Presidency Total. Grass and grazing ... | ... | 3,64,045 | ... | ... | 4,34,167 | ... |
| Presidency Total. Minor produce ... | ... | 5,41,326 | ... | ... | 4,67,580 | ... |
| Grand Total of Sales ... | ... | 16,17,729 | ... | ... | 15,18,314 | .. |

Financial results.

The subjoined table compares the financial results of the year according to circles with those of 1897–98. The results show a decrease in the net revenue of Rs. 79,520.

| Forest year. | Circle. | Revenue. | Expenditure. A. "Conservancy and works." | Expenditure. B. "Establishments." | Expenditure. Total. | Net results. |
|---|---|---|---|---|---|---|
| | | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1897-98 | Northern | 5,99,670 | 2,06,027 | 2,61,999 | 4,68,026 | + 1,31,644 |
| | Central | 8,88,834 | 2,78,206 | 2,78,281 | 5,56,487 | + 3,32,347 |
| | Southern | 6,62,610 | 2,84,977 | 2,78,999 | 5,63,976 | + 98,634 |
| | Total | 21,51,114 | 7,69,210 | 8,19,279 | 15,88,489 | + 5,62,625 |
| 1898-99 | Northern | 6,14,046 | 1,98,750 | 2,59,525 | 4,58,275 | + 1,55,771 |
| | Central | 8,73,772 | 2,48,912 | 2,81,023 | 5,29,935 | + 3,43,837 |
| | Southern | 5,87,436 | 3,20,139 | 2,83,800 | 6,03,939 | - 16,503 |
| | Total | 20,75,254 | 7,67,801 | 8,24,348 | 15,92,149 | + 4,83,105 |

The gross receipts of the year, compared with those of the previous year, show a decrease of Rs. 75,860, and the variations are explained below. As compared with the previous year the revenue in the Southern Circle fell short during the year by Rs. 75,174 while the expenditure increased by Rs. 39,963. The total expenditure under "Conservancy and works" as compared with that of the previous year shows a fall of only Rs. 1,409. The cost of "Establishment" increased slightly by Rs. 5,069 due mainly to the employment of larger staff of subordinate establishment under the re-organization scheme. The following districts contributed chiefly to the net surplus: Salem over 25 per cent., Cuddapah and North Arcot 13, Nellore 12, North Coimbatore 11, Kurnool 10 and South Arcot 9.

## TRADE. (1898-99.)

### *Total Trade.*

The total value of the sea-borne trade of the Madras Presidency in the year 1898-99, exclusive of treasure and transactions on account of Government, which will be noticed separately, amounted to 28 crores and 10¾ lakhs, against 28 crores and 89½ lakhs in the preceding year, thus showing a decline of nearly 78¾ lakhs. The figures for the last 24 years, including the famine period of 1876-78, are given below:—

| Years. | Exports. | Imports. | Total. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| 1875-76 | 10,66,65,088 | 7,66,34,543 | 18,32,99,631 |
| 1876-77 | 11,14,11,247 | 12,43,12,100 | 23,57,23,347 |
| 1877-78 | 10,12,79,905 | 15,82,25,102 | 25,95,05,007 |
| 1878-79 | 9,60,69,257 | 8,39,95,257 | 18,00,64,514 |
| 1879-80 | 11,01,85,939 | 6,93,76,528 | 17,95,62,467 |
| 1880-81 | 10,70,66,223 | 7,50,92,550 | 18,21,58,783 |
| 1881-82 | 11,01,94,743 | 7,33,24,262 | 18,35,19,005 |
| 1882-83 | 11,86,93,014 | 8,21,38,862 | 20,08,31,876 |
| 1883-84 | 13,26,11,353 | 8,75,15,274 | 22,01,26,627 |
| 1884-85 | 13,03,37,106 | 9,14,16,146 | 22,17,53,252 |
| 1885-86 | 12,50,78,935 | 8,84,44,996 | 21,35,23,931 |
| 1886-87 | 13,28,82,602 | 9,73,49,048 | 23,02,31,650 |
| 1887-88 | 14,17,80,929 | 9,78,85,102 | 23,96,66,031 |
| 1888-89 | 15,02,01,892 | 10,12,73,968 | 25,14,75,860 |
| 1889-90 | 16,11,92,908 | 11,04,57,422 | 27,16,50,330 |
| 1890-91 | 15,64,96,304 | 11,97,12,235 | 27,62,08,539 |
| 1891-92 | 15,30,09,782 | 12,65,35,999 | 27,95,45,781 |
| 1892-93 | 16,43,37,726 | 12,01,55,427 | 28,44,93,153 |
| 1893-94 | 16,71,09,331 | 12,58,21,786 | 29,29,31,117 |
| 1894-95 | 18,10,21,483 | 12,84,40,648 | 30,94,62,131 |
| 1895-96 | 18,57,24,634 | 12,46,76,631 | 31,04,01,265 |
| 1896-97 | 17,09,55,763 | 11,28,92,416 | 28,38,48,179 |
| 1897-98 | 16,48,10,471 | 12,41,33,456 | 28,89,43,927 |
| 1898-99 | 16,33,73,642 | 11,76,99,997 | 28,10,73,639 |

Compared with the previous year, the exports and imports showed decreases of 14½ and 64¼ lakhs, respectively. The following statement shows the trade for the last three years (1) with foreign countries, (2) with British ports in other Presidencies, (3) with Indian ports not British, and (4) with British ports within the Presidency. There was an increase of nearly 53 lakhs under the second head and of

8¼ lakhs under the fourth, and a decrease of over one crore and 36 lakhs under the first and of 3½ lakhs under the third, leaving a net decrease of nearly 78¾ lakhs :—

| | | 1896-97. | | 1897-98. | | 1898-99. | |
|---|---|---|---|---|---|---|---|
| | | Value. | Percentage. | Value. | Percentage. | Value. | Percentage. |
| | | Rs. | | Rs. | | Rs. | |
| Trade with foreign countries. | Exports | 11,83,17,868 | 62·20 | 11,41,27,684 | 61·63 | 11,17,88,985 | 58·51 |
| | Imports | 5,82,37,435 | | 6,39,48,532 | | 5,26,72,909 | |
| | Total ... | 17,65,55,303 | ... | 17,80,76,216 | ... | 16,44,61,894 | ... |
| Trade with British ports in other Presidencies. | Exports ... | 2,97,23,392 | 23·02 | 2,81,13,134 | 24·17 | 2,93,16,489 | 26·73 |
| | Imports ... | 3,56,33,959 | | 4,17,13,499 | | 4,58,02,301 | |
| | Total ... | 6,53,57,351 | ... | 6,98,26,633 | ... | 7,51,18,790 | ... |
| Trade with Indian ports not British. | Exports ... | 51,36,201 | 2·05 | 46,05,815 | 1·84 | 41,30,187 | 1·76 |
| | Imports ... | 6,71,966 | | 7,16,477 | | 8,29,279 | |
| | Total ... | 58,08,167 | ... | 53,22,292 | ... | 49,59,466 | ... |
| Total ... | Exports .. | 15,31,77,461 | 87·27 | 14,68,46,633 | 87·64 | 14,52,35,661 | 87·00 |
| | Imports . | 9,45,43,360 | | 10,63,78,508 | | 9,93,04,489 | |
| Total, External trade .. | | 24,77,20,821 | .. | 25,32,25,141 | ... | 24,45,40,150 | ... |
| Interportal trade, *i.e.*, trade within the Presidency. | Exports .. | 1,77,78,302 | 12·73 | 1,79,63,838 | 12·36 | 1,81,37,981 | 13 |
| | Imports ... | 1,83,49,056 | | 1,77,54,948 | | 1,83,95,508 | |
| | Total ... | 3,61,27,358 | ... | 3,57,18,786 | ... | 3,65,33,489 | ... |
| Grand Total ... | Exports ... | 17,09,55,763 | ... | 16,48,10,471 | ... | 16,33,73,642 | ... |
| | Imports ... | 11,28,92,416 | | 12,41,33,456 | | 11,76,99,997 | |
| | Total ... | 28,38,48,179 | 100 | 28,89,43,927 | 100 | 28,10,73,639 | 100 |

The total value of the external trade amounted to Rs. 24,45,40,150, of which Rs. 14,52,35,661 represented exports and Rs. 9,93,04,489 imports.

Balance of trade.

The following statements show the comparative value of exports and imports, including treasure and Government transactions, in external trade, foreign and coasting, for the last five years for :—

(i) The Presidency, (ii) The Madras Port, (iii) The East Coast districts (excluding the Madras Port), and (iv) The West Coast Districts.

| | Imports. | Exports. | Excess of exports over imports. | Excess of imports over exports. |
|---|---|---|---|---|
| | *The Presidency.* | | | |
| | Rs. | Rs. | Rs. | Rs. |
| 1894-95 ... ... ... ... ... | 11,72,75,091 | 16,57,50,803 | 4,84,75,712 | ... |
| 1895-96 ... ... ... ... ... | 11,21,91,250 | 17,25,57,203 | 6,03,65,953 | ... |
| 1896-97 ... ... ... ... ... | 10,40,33,376 | 15,49,47,246 | 5,09,13,870 | ... |
| 1897-98 ... ... ... ... ... | 11,82,15,406 | 14,88,08,379 | 3,05,92,973 | ... |
| 1898-99 ... ... ... ... ... | 10,41,87,057 | 14,87,52,657 | 4,45,65,600 | ... |
| | *The Madras Port.* | | | |
| 1894-95 ... ... ... ... ... | 7,12,90,091 | 5,86,49,310 | ... | 1,26,40,781 |
| 1895-96 ... ... ... ... ... | 6,19,86,463 | 6,91,45,568 | 71,59,105 | ... |
| 1896-97 ... ... ... ... ... | 6,83,48,777 | 5,75,69,864 | ... | 1,07,78,913 |
| 1897-98 ... ... ... ... ... | 6,90,37,966 | 5,48,31,979 | ... | 1,42,05,987 |
| 1898-99 ... ... ... ... ... | 5,87,37,710 | 5,21,17,886 | ... | 66,19,824 |
| | *The East Coast Districts* (excluding the Madras port). | | | |
| 1894-95 ... ... .. ... ... | 2,35,62,079 | 5,71,16,569 | 3,35,54,490 | ... |
| 1895-96 ... ... ... ... ... | 2,57,26,913 | 5,31,34,338 | 2,74,07,425 | ... |
| 1896-97 ... ... ... ... ... | 1,82,54,740 | 5,64,03,706 | 3,81,48,966 | ... |
| 1897-98 ... ... ... ... ... | 2,89,14,535 | 5,09,43,818 | 2,20,29,283 | ... |
| 1898-99 ... ... ... ... ... | 2,26,29,378 | 4,99,24,729 | 2,72,95,351 | ... |
| | *The West Coast Districts.* | | | |
| 1894-95 ... ... ... ... ... | 2,24,22,921 | 4,99,84,924 | 2,75,62,003 | ... |
| 1895-96 ... ... ... ... ... | 2,44,77,874 | 5,02,77,297 | 2,57,99,423 | ... |
| 1896-97 ... ... ... ... ... | 1,74,29,859 | 4,09,73,676 | 2,35,43,817 | ... |
| 1897-98 ... ... ... ... ... | 2,02,62,905 | 4,30,32,582 | 2,27,69,677 | ... |
| 1898-99 ... ... ... ... ... | 2,28,19,969 | 4,67,10,042 | 2,38,90,073 | ... |

It will be observed from the above statements that Madras was the only port at which imports have exceeded exports during the last five years except in 1895–96. The figures further show that there was in 1898–99 a decrease of 27¼ lakhs in the exports from Madras and of 10¼ lakhs in those from the other East Coast districts, while there was an increase of 36¾ lakhs in the exports from the West Coast districts.

The subjoined statement shows the value of the trade (merchandise only) with the several continents during the last two years :— Trade with foreign countries.

| | 1897–98. | 1898–99. |
|---|---|---|
| | RS. | RS. |
| With Europe ... ... ... ... .. ... | 11,96,04,541 | 11,17,49,443 |
| With Africa and adjacent islands ... ... | 48,86,182 | 42,93,984 |
| With America ... ... ... ... . ... | 65,10,636 | 64,23,997 |
| With Asia ... ... . ... ... | 4,64,63,210 | 4,12,02,747 |
| With Australia ... ... ... ... ... ... | 6,11,647 | 7,91,723 |
| Total ... | 17,80,76,216 | 16,44,61,894 |

There was a heavy decline in the trade with all except Australia, and a total decline of 7·64 per cent. The following statement shows the value of the merchandise interchanged in the last two years with the principal countries with which the ports of this Presidency have commercial relations :—

| Countries. | Imports. | | Exports. | | | |
|---|---|---|---|---|---|---|
| | 1897–98. | 1898–99. | 1897–98. | 1898 99. | | |
| | | | | Foreign. | Indian. | Total. |
| *Europe.* | RS. | RS. | RS. | RS. | RS. | RS. |
| United Kingdom ... ... ... | 4,82,34,035 | 3,72,85,173 | 4,94,09,325 | 1,82,421 | 4,95,17,346 | 4,96,99,767 |
| Austria-Hungary ... ... ... | 3,25,213 | 3,19,538 | 8,70,749 | 3,590 | 19,46,908 | 19,50,498 |
| Belgium ... ... ... ... | 19,25,948 | 15,97,332 | 17,38,225 | 644 | 25,41,859 | 25,42,503 |
| Denmark ... ... ... ... | 3,161 | 7,914 | ... | ... | 8,614 | 8,614 |
| France ... ... ... ... | 16,05,819 | 18,23,154 | 85,47,601 | ... | 72,77,864 | 72,77,864 |
| Germany ... ... ... ... | 6,78,280 | 6,46,228 | 26,66,259 | 810 | 38,51,487 | 38,52,297 |
| Holland ... ... ... ... | 63,015 | 1,50,822 | 1,65,746 | 375 | 1,04,545 | 1,04,920 |
| Italy ... ... ... ... ... | 1,06,886 | 1,08,309 | 3,92,578 | 30 | 11,05,705 | 11,05,735 |
| Malta ... ... ... ... ... | 258 | 367 | 14,575 | ... | 30,915 | 30,915 |
| Norway ... ... ... ... | 1,31,711 | 1,11,406 | ... | ... | ... | ... |
| Portugal ... ... ... ... | 25,873 | 48,872 | ... | ... | ... | ... |
| Russia ... ... ... ... | 20,87,806 | 25,40,980 | 29,700 | ... | 1,80,270 | 1,80,270 |
| Spain ... ... ... ... ... | 53,765 | 65,153 | 59,044 | ... | 17,783 | 17,783 |
| Sweden ... ... .. ... | 4,28,098 | 1,67,989 | 27,000 | ... | 89,100 | 89,100 |
| Turkey ... ... ... ... | ... | ... | 13,871 | ... | 10,940 | 10,940 |
| Total ... | 5,56,69,868 | 4,48,78,237 | 6,39,34,673 | 1,87,870 | 6,66,83,336 | 6,68,71,206 |
| *Africa and Adjacent Islands.* | | | | | | |
| Cape Colony ... ... ... ... | ... | ... | 3,534 | ... | 3,513 | 3,513 |
| Eastern Coast of Africa. — Mozambique... | ... | ... | 240 | ... | 240 | 240 |
| Eastern Coast of Africa. — Zanzibar ... | ... | 173 | 4,333 | ... | 4,846 | 4,846 |
| Eastern Coast of Africa. — Other ports ... | ... | 7,264 | 1,643 | ... | 21,362 | 21,362 |
| Egypt ... ... ... ... | 5,836 | 4,405 | 41,27,259 | 2,266 | 32,52,159 | 32,54,425 |
| Madagascar ... ... ... ... | ... | ... | 600 | ... | 49 | 49 |
| Mauritius ... ... ... ... | 3,074 | 13,374 | 5,66,934 | 214 | 7,82,100 | 7,82,314 |
| Natal ... ... ... ... ... | ... | ... | 1,70,569 | 1,5C4 | 1,53,500 | 1,55,004 |
| Ré-union (Bourbon) ... ... ... | ... | ... | ... | ... | 46,095 | 46,095 |
| Other countries ... ... ... | ... | ... | 2,160 | ... | 920 | 920 |
| Total ... | 8,910 | 25,216 | 48,77,272 | 3,984 | 42,64,784 | 42,68,768 |

| Countries. | Imports. | | Exports. | | | |
|---|---|---|---|---|---|---|
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | | |
| | | | | Foreign. | Indian. | Total. |
| *America.* | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Canada ... ... ... ... | 65 | ... | ... | ... | ... | ... |
| South America ... . | 2,236 | 500 | ... | ... | ... | ... |
| United States ... . . ... | 33,015 | 1,25,145 | 64,74,422 | 4,780 | 62,89,733 | 62,94,513 |
| West Indies ... ... ... ... | 898 | 3,839 | ... | ... | ... | ... |
| Total ... | 36,214 | 1,29,484 | 64,74,422 | 4,780 | 62,89,733 | 62,94,513 |
| *Asia.* | | | | | | |
| Aden ... ... ... ... ... | 635 | 360 | 49,663 | ... | 51,809 | 51,809 |
| Arabia ... ... ... ... | 11,934 | 5,039 | 3,48,802 | ... | 93,545 | 93,545 |
| Ceylon ... ... ... ... | 39,24,399 | 35,85,483 | 2,27,84,145 | 1,37,461 | 1,57,28,661 | 1,58,66,122 |
| China-Hong kong ... ... ... | 49,303 | 51,062 | 1,08,490 | 150 | 1,37,306 | 1,37,456 |
| China-Treaty Ports .. ... ... | ... | 2,061 | 26,52,061 | 3,137 | 26,24,874 | 26,28,011 |
| Cochin-China ... .. ... | ... | ... | 20 | ... | .. | ... |
| Japan ... ... ... ... ... | 1,27,691 | 1,00,346 | 78,08,359 | 10 | 94,82,234 | 94,82,244 |
| Java ... ... ... ... ... | 89,011 | 165 | 1,726 | 30 | 1,364 | 1,394 |
| Maldives (except Minicoy which is a British Indian Port). | 11,840 | 1,234 | ... | 702 | 7,145 | 7,847 |
| Mekran and Sonmiani ... ... | 70,195 | 33,035 | 13,143 | 5 | 5,814 | 5,819 |
| Persia ... ... ... ... ... | 18,179 | 37,523 | 1,80,525 | ... | 1,00,285 | 1,00,285 |
| Siam (including Salang or Jung Ceylon). | 7,136 | ... | 3,558 | 1,141 | 26,074 | 27,215 |
| Straits Settlements ... ... ... | 28,00,687 | 28,29,414 | 36,60,646 | 3,39,408 | 46,31,785 | 49,71,193 |
| Sumatra ... ... ... ... | 6,15,004 | 4,51,435 | 14,147 | 1,275 | ... | 1,275 |
| Turkey ... ... ... ... | 1,41,419 | 39,349 | 9,70,292 | ... | 6,92,026 | 6,92,026 |
| Total ... | 78,67,633 | 71,36,506 | 3,85,95,577 | 4,83,319 | 3,35,82,922 | 3,40,66,241 |
| Australia ... ... ... ... | 3,65,907 | 5,03,466 | 2,45,740 | 4,000 | 2,84,257 | 2,88,257 |
| Grand Total ... | 6,39,48,532 | 5,26,72,909 | 11,41,27,684 | 6,83,953 | 11,11,05,032 | 11,17,88,985 |

(I) EUROPEAN TRADE—
(*a*) *United Kingdom.*

The value of the export trade in each of the last five years was as follows:—

| | Rs. |
|---|---|
| 1894-95 ... ... ... ... ... ... ... ... ... ... | 5,45,47,790 |
| 1895-96 ... ... ... ... ... ... ... ... ... ... | 6,09,54,081 |
| 1896-97 ... ... ... ... ... ... ... ... ... ... | 5,17,59,196 |
| 1897-98 ... ... ... ... ... ... ... ... ... ... | 4,94,09,325 |
| 1898-99 ... ... ... ... ... ... ... ... ... ... | 4,96,99,767 |

The value of exports in 1898–99 was nearly 3 lakhs more than in the preceding year. The chief items were as follows:—

| — | 1897-98. | 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Hides and skins ... ... ... ... ... ... ... | 2,45,39,166 | 2,08,52,071 |
| Coffee ... ... ... ... ... ... ... | 83,45,488 | 1,13,58,091 |
| Tea ... ... ... ... ... ... ... | 24,40,965 | 24,91,204 |
| Raw cotton ... ... ... ... ... ... | 17,32,620 | 18,79,188 |
| Seeds ... ... ... .. ... .. ... | 11,46,599 | 18,20,168 |
| Coir, yarn and rope ... ... ... ... ... | 14,56,105 | 17,21,431 |
| Indigo ... ... ... .. ... ... ... | 19,09,781 | 15,84,571 |
| Spices ... ... ... ... ... ... ... | 9,57,836 | 15,76,357 |
| Sugar ... ... ... ... ... ... ... | 18,86,424 | 12,27,821 |
| Oils ... ... ... ... ... ... ... | 7,52,348 | 7,67,266 |
| Handkerchiefs ... ... ... ... ... ... | 5,31,034 | 5,62,724 |
| Manganese ore ... ... ... ... ... ... | 4,33,632 | 4,15,770 |
| Cinchona bark ... ... ... ... ... ... | 7,89,233 | 3,48,189 |
| Mica ... ... ... ... ... ... ... | 3,14,250 | 3,24,415 |
| Tobacco ... ... ... ... ... ... ... | 2,71,086 | 3,16,996 |
| Myrabolams ... ... ... ... ... ... | 1,32,223 | 2,19,714 |

The trade in hides and skins, which alone represented 41·96 per cent. of the total trade, showed a large decrease. There were decreases also under indigo, sugar and cinchona bark, but these decreases were more than counterbalanced by

increases under other heads, chiefly coffee, raw cotton, seeds, coir, yarn and rope, spices and tobacco. The import trade was as follows:—

| | Rs. |
|---|---|
| 1894-95 | 5,34,56,529 |
| 1895 96 | 4,39,93,025 |
| 1896-97 | 4,49,41,224 |
| 1897-98 | 4,82,34,035 |
| 1898 99 | 3,72,85,173 |

The figures show a decrease of 109½ lakhs, or 22·69 per cent.

The principal items in the list of imports from the United Kingdom are the following:—

| — | 1897 98. | 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Cotton piece-goods | 1,76,88,120 | 1,24,80,842 |
| Cotton, twist and yarn | 1,01,94,069 | 70,66,533 |
| Metals | 39,05,797 | 25,74,010 |
| Machinery and mill work | 31,46,972 | 24,67,226 |
| Railway materials | 16,56,654 | 16,03,981 |
| Liquors | 12,79,588 | 12,94,762 |
| Hardware and cutlery | 14,56,404 | 12,93,710 |
| Arms and ammunition | 10,27,524 | 11,39,812 |
| Provisions | 8,81,077 | 8,68,232 |
| Paper and paste-boards including stationery | 7,22,229 | 7,30,040 |
| Apparel | 6,80,599 | 7,13,398 |
| Coal and coke | 9,24,557 | 4,20,888 |

There was a heavy decline in cotton piece-goods, twist and yarn, metals, machinery and mill work and coal. The decline in the last article was chiefly due to the increasing use of Bengal coal in the Madras Presidency. Taken as a whole, the trade with the United Kingdom shows an almost continuous falling off during the last five years. This may be accounted for to some extent, by the increasing direct trade with other European countries.

(*b*) *Austria-Hungary.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894-95 | 32,14,614 | 2,52,661 |
| 1895-96 | 27,80,703 | 1,60,705 |
| 1896-97 | 16,67,089 | 1,75,735 |
| 1897-98 | 8,70,749 | 3,25,213 |
| 1898-99 | 19,50,498 | 3,19,538 |

The rise in the value of exports was brought about by larger shipments of raw cotton, coffee, hides and skins, seeds and spices. The chief imports consisted of glass and glassware.

(*c*) *Belgium.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894-95 | 41,20,884 | 12,35,161 |
| 1895-96 | 28,77,803 | 18,37,884 |
| 1896-97 | 21,70,798 | 22,20,902 |
| 1897-98 | 17,38,225 | 19,25,948 |
| 1898-99 | 25,42,503 | 15,97,332 |

The rise in exports, which took place chiefly in respect of raw cotton, would have been still greater, but for a decrease under coffee. The value of the imports of metals (especially iron), which accounted for the greater part of the total, was 11½ lakhs against 14 lakhs in the preceding year. The balance was made up largely of cement, alizarine dyes and glass and glassware.

(*d*) *France.* After the United Kingdom, Ceylon and Japan, France took the largest share of the trade of this Presidency.

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894-95 ... ... ... ... ... ... ... ... | 1,29,46,070 | 20,75,431 |
| 1895-96 ... ... ... ... ... ... ... ... | 1,39,43,451 | 20,34,590 |
| 1896-97 ... ... ... ... ... ... ... ... | 1,13,20,040 | 18,72,782 |
| 1897-98 ... ... ... ... ... ... ... ... | 85,47,601 | 16,05,819 |
| 1898-99 ... ... ... ... ... ... ... ... | 72,77,864 | 18,28,154 |

All the most important items of export, except raw cotton, exhibited large decreases as shown below :—

| — | 1897-98. | 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Coffee ... ... ... ... ... ... ... ... | 47,24,950 | 42,64,655 |
| Seeds ... ... ... ... ... ... ... ... | 14,08,655 | 11,98,924 |
| Raw cotton ... ... ... ... ... ... ... | 3,98,366 | 8,56,999 |
| Indigo ... ... ... ... ... ... ... ... | 7,87,325 | 1,57,605 |
| Pepper ... ... ... ... ... ... ... ... | 6,39,162 | 1,42,020 |

(*e*) *Germany.* The chief import from this country consisted of articles of apparel valued in 1898–99 at Rs. 12,38,831 against Rs. 10,63,602 in 1897–98. Next in importance were liquors which contributed 4¼ lakhs.

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894-95 ... ... ... ... ... ... ... ... | 45,65,327 | 8,92,908 |
| 1895-96 ... ... ... ... ... ... ... ... | 35,01,944 | 6,84,794 |
| 1896-97 ... ... ... ... ... ... ... ... | 27,77,761 | 7,05,291 |
| 1897-98 ... ... ... ... ... ... ... ... | 26,66,259 | 6,78,280 |
| 1898-99 ... ... ... ... ... ... ... ... | 38,52,297 | 6,46,228 |

The chief items of export, all of which showed an increase, were—

| — | 1897-98. | 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Coir, yarn and rope ... ... ... ... ... ... | 6,49,422 | 7,70,771 |
| Raw cotton ... ... ... ... ... ... ... | 4,73,700 | 6,20,339 |
| Spices ... ... ... ... ... ... ... ... | 3,49,179 | 5,00,983 |
| Cocoanut kernel ... ... ... ... ... ... ... | 2,25,646 | 4,43,788 |
| Cocoanut oil ... ... ... ... ... ... ... | 2,38,944 | 3,80,601 |
| Coffee ... ... ... ... ... ... ... ... | 1,64,910 | 3,78,213 |
| Timber and wood ... ... ... ... ... ... ... | 1,24,360 | 1,97,881 |
| Hides and skins ... ... ... ... ... ... ... | 19,566 | 1,00,061 |

More than half the imports were made up of alizarine dyes, liquors, metals, paper including stationery, and refined sugar.

(*f*) *Holland.* The exports of which indigo, coir manufactures and pepper were the most important items amounted in 1898–99 to one lakh. The value of the imports (chiefly candles and gin) was Rs. 1,50,822.

(*g*) *Italy.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894-95 ... ... ... ... ... ... ... ... | 22,58,075 | 1,41,504 |
| 1895-96 ... ... ... ... ... ... ... ... | 10,61,894 | 1,06,076 |
| 1896-97 ... ... ... ... ... ... ... ... | 6,83,755 | 1,09,492 |
| 1897-98 ... ... ... ... ... ... ... ... | 3,92,578 | 1,06,886 |
| 1898-99 ... ... ... ... ... ... ... ... | 11,05,735 | 1,08,309 |

The large increase in the value of exports was accounted for by the expansion of the trade in raw cotton, seeds and spices. Cement, glass beads and false pearls, wines and silk manufactures formed the bulk of the imports.

There were no exports to this country. The value of imports in the year under report amounted to Rs. 1,11,406 against Rs. 1,31,711 in the previous year, matches contributing Rs. 1,10,296. (h) *Norway.*

(i) *Russia.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 .. ... ... ... ... ... ... ... | 10,64,332 | 19,07,195 |
| 1895–96 . ... ... ... ... ... ... ... | 3,69,207 | 11,86,267 |
| 1896–97 ... ... ... ... ... ... ... ... | 5,75,529 | 14,11,132 |
| 1897–98 ... ... ... .. ... ... ... ... | 29,700 | 20,87,806 |
| 1898–99 ... ... ... ... ... ... ... ... | 1,80,270 | 25,40,980 |

There was a heavy fall in exports in 1897–98 almost entirely owing to a failure of the demand for castor-seeds. In the year under report, this demand revived and Russia took castor-seeds to the value of 1½ lakhs. Practically the only article imported was kerosine oil, for which there appears to have been an exceptionally large demand. The imports of this oil increased in value by 4½ lakhs, or 21·7 per cent., and were the largest on record.

(j) *Spain.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 ... ... ... ... ... ... ... ... | 4,96,208 | 18,016 |
| 1895–96 ... ... ... ... ... ... ... ... | 82,069 | 34,439 |
| 1896–97 ... ... ... ... ... ... ... ... | 98,539 | 42,039 |
| 1897–98 ... ... ... ... ... ... ... ... | 59,044 | 53,765 |
| 1898–99 ... ... ... ... ... ... ... ... | 17,783 | 65,153 |

The decrease under exports was due to the absence of any shipment of raw cotton in the year: and tobacco became the chief item of export. There was a slight increase in the value of wines imported.

The only export to this country in 1898–99 was Rs. 89,100 worth of raw cotton. The imports for the last five years were as follows:— (k) *Sweden.*

| | Rs. |
|---|---|
| 1894–95 ... ... ... ... ... ... ... ... ... ... | 1,35,490 |
| 1895–96 ... ... ... ... ... ... ... ... ... ... | 1,83,895 |
| 1896–97 ... ... ... ... ... ... ... ... ... ... | 2,87,670 |
| 1897–98 ... ... .. ... ... ... ... ... ... ... | 4,28,098 |
| 1898–99 ... ... ... ... ... ... ... ... ... ... | 1,67,989 |

Iron and matches constituted practically all the imports; and there was a heavy fall of over 2¾ lakhs in the former.

(II) TRADE WITH AFRICA—

(a) *Egypt.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 ... ... ... ... ... ... ... ... | 36,06,040 | 554 |
| 1895–96 ... ... ... ... ... ... ... ... | 32,20,322 | ... |
| 1896–97 ... ... ... ... ... ... ... ... | 29,98,069 | 1,385 |
| 1897–98 ... ... ... ... ... ... ... ... | 41,27,259 | 5,836 |
| 1898–99 ... ... ... ... ... ... ... ... | 32,54,425 | 4,405 |

The export trade in the year was mainly in Indian indigo; and the entire absence of exports of castor-seeds and unrefined sugar is noticeable.

| — | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Indigo ... ... ... ... .. ... ... ... | 32,91,363 | 31,21,895 |
| Castor-seeds ... ... ... ... ... ... ... | 3,79,670 | ... |
| Unrefined sugar ... ... ... ... ... ... ... | 3,34,698 | ... |

(f) *Mauritius.* The import trade is meagre.

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 | 9,02,275 | 2,025 |
| 1895–96 | 5,11,475 | 1,544 |
| 1896–97 | 8,66,406 | 1,136 |
| 1897–98 | 5,66,934 | 3,074 |
| 1898–99 | 7,82,314 | 13,374 |

The increase in exports was under rice and other grains. Refined sugar was almost the only commodity imported.

(c) *Natal.* The exports in 1898–99 were Rs. 1,55,004 against Rs. 1,70,569 in the preceding year. They consisted mostly of coloured piece-goods, betelnuts and cigars.

(III) TRADE WITH AMERICA— (a) *United States.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 | 1,06,62,276 | 6,30,557 |
| 1895–96 | 1,13,02,246 | 14,611 |
| 1896–97 | 85,75,710 | 42,915 |
| 1897–98 | 64,74,422 | 33,015 |
| 1898–99 | 62,94,513 | 1,25,145 |

The value of exports in the year showed a decrease of $1\frac{3}{4}$ lakhs, which followed a larger decline in the previous two years. The predominant factor in this continued decrease was stagnation in the trade in dressed or tanned skins. The principal items in the list of exports were—

| — | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Skins, dressed | 53,21,047 | 38,99,623 |
| Cocoanut oil | 3,75,896 | 6,71,094 |
| Pepper | 5 | 2,87,601 |
| Indigo | 3,26,254 | 5,09,559 |
| Hides, dressed | 86,342 | 2,67,996 |

The principal imports were hardware and cutlery to the value of half a lakh and carriages and carts to the value of Rs. 40,841.

(IV) TRADE WITH ASIA— (a) *Arabia.* The exports which consisted chiefly of coffee, cordage and rope and rice fell to Rs. 93,545 from Rs. 3,48,802 in the previous year. The imports were trifling, amounting only to Rs. 5,039.

(b) *Ceylon.* Next to the United Kingdom, Ceylon took the largest share of the trade of this Presidency.

| — | Imports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 | 1,48,00,578 | 28,33,832 |
| 1895–96 | 1,35,28,274 | 32,28,815 |
| 1896–97 | 1,89,13,969 | 32,13,696 |
| 1897–98 | 2,27,84,145 | 39,24,399 |
| 1898–99 | 1,58,66,122 | 35,85,483 |

The export trade exhibited a heavy decline, contributed by most of the important articles of Indian produce exported, the details of which are as follows :—

| | 1897 98. | 1898 99. |
|---|---|---|
| | Rs. | Rs. |
| Rice | 1,15,93,584 | 61,27,261 |
| Paddy | 7,00,073 | 9,30,043 |
| Cotton piece-goods | 23,04,416 | 19,17,803 |
| Animals, living | 9,55,017 | 8,32,644 |
| Fish, dry, salted | 10,70,034 | 7,60,602 |
| „ „ unsalted | 2,75,092 | 1,28,755 |
| Dregs of jinjili oil | 7,34,259 | 7,18,804 |
| Spices | 8,42,755 | 7,04,993 |
| Fresh vegetables | 5,93,106 | 5,21,540 |
| Oil-cake | 2,31,712 | 4,14,544 |
| Sugar | 3,94,314 | 3,67,748 |
| Seeds | 3,68,951 | 2,96,617 |
| Bristles | 1,45,839 | 2,33,020 |
| Coffee | 1,61,478 | 2,09,280 |
| Raw cotton | 2,24,905 | 1,89,127 |
| Manures, animal bones | 1,55,364 | 1,32,303 |
| Grains (exclusive of rice and paddy) | 3,67,483 | 1,00,599 |

The chief items of import were betel-nuts 14 lakhs, gunny bags $3\frac{3}{4}$ lakhs and cocoanut oil $2\frac{3}{4}$ lakhs.

(*c*) *China, Hongkong and Treaty Ports.*

| | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 | 22,76,002 | 32,179 |
| 1895–96 | 31,01,146 | 13,556 |
| 1896–97 | 26,42,606 | 4,647 |
| 1897–98 | 27,60,551 | 49,303 |
| 1898–99 | 27,65,467 | 53,123 |

The shipments of raw cotton increased by over $6\frac{1}{4}$ lakhs, while those of cotton twist and yarn, and piece-goods declined by $4\frac{3}{4}$ lakhs and one lakh, respectively. The figures for the last two years were—

| | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Cotton twist and yarn | 21,52,162 | 16,66,460 |
| Raw cotton | 1,11,400 | 7,46,116 |
| Cotton piece-goods | 3,88,141 | 2,78,155 |

The small imports from China consisted mainly of camphor and fireworks.

(*d*) *Japan.*

| | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 | 30,50,278 | 65,605 |
| 1895–96 | 44,47,427 | 74,556 |
| 1896–97 | 75,37,855 | 1,24,861 |
| 1897–98 | 78,08,359 | 1,27,691 |
| 1898–99 | 94,82,244 | 1,00,346 |

The trade of Japan maintained the rapid rate of progression which it had shown for some years; so much so that Japan now comes third in order of importance among the countries which trade with the Madras Presidency. In the year under report, the exports, made up almost entirely of raw cotton, indigo and tanned skins, were $16\frac{3}{4}$ lakhs more than in the previous year.

| | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Raw cotton | 45,08,847 | 62,79,651 |
| Indigo | 28,04,051 | 29,53,881 |
| Tanned skins | 4,79,762 | 2,38,172 |

There was a slight fall in the import trade, matches and metals being still the chief items of import.

(e) *Java.* Both exports and imports were very small.

(f) *Persia.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 | 2,39,039 | 285 |
| 1895–96 | 2,41,377 | 10,997 |
| 1896–97 | 1,14,353 | 16,367 |
| 1897–98 | 1,80,525 | 18,179 |
| 1898–99 | 1,00,285 | 37,523 |

The decrease in exports occurred chiefly under coffee. The small imports consisted of provisions, such as dates and salted and unsalted fish.

(g) *Straits Settlements.*

| — | Exports. | Imports. |
|---|---|---|
| | Rs. | Rs. |
| 1894–95 | 40,60,948 | 24,46,025 |
| 1895–96 | 38,59,522 | 22,13,437 |
| 1896–97 | 34,71,169 | 22,39,706 |
| 1897–98 | 36,60,646 | 28,00,887 |
| 1898–99 | 49,71,193 | 28,29,414 |

The chief items of export were—

| — | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Cotton piece-goods | 18,84,089 | 23,94,489 |
| Animals | 1,33,842 | 4,59,779 |
| Hides and skins | 3,76,777 | 3,46,940 |
| Oil-cake | 2,90,054 | 2,64,948 |
| Indigo | 1,57,421 | 2,13,630 |
| Tobacco | 1,98,553 | 2,04,866 |
| Silk piece-goods | 73,464 | 1,48,645 |

There were increases under cotton and silk piece-goods, animals, indigo and tobacco, and decreases under hides and skins and oil-cake. The chief articles of import were—

| — | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Betelnuts | 9,68,369 | 12,25,146 |
| Camphor | 4,69,103 | 3,66,881 |
| Cotton piece-goods | 2,33,148 | 3,60,195 |
| Tin | 3,78,912 | 1,57,414 |
| Benjamin | 1,04,887 | 1,00,153 |

The increase in betelnuts and cotton piece-goods was counterbalanced by a fall in camphor and tin.

(h) *Sumatra.* The exports were small and consisted of "other sorts" of machinery. The imports for the last five years were—

| | Rs. |
|---|---|
| 1894–95 | ... |
| 1895–86 | 3,827 |
| 1896–97 | ... |
| 1897–98 | 6,15,004 |
| 1898–99 | 4,51,435 |

The decrease was due to smaller imports of kerosine-oil—546,333 gallons as against 1,414,538 gallons in the preceding year.

(i) [illegible]

| | Exports. | Imports. |
|---|---|---|
| | RS. | RS. |
| 1894–95 | 10,32,451 | 1,47,762 |
| 1895–96 | 9,01,302 | 1,80,387 |
| 1896–97 | 6,77,314 | 62,243 |
| 1897–98 | 9,70,292 | 1,41,419 |
| 1898–99 | 6,92,026 | 39,349 |

Indigo was the chief article of export, the exportation of coffee having ceased entirely. The decrease in the imports was caused mainly by smaller receipts of dates by nearly a lakh.

(V) AUSTRALIAN TRADE—*Victoria.*

| — | Exports. | Imports. |
|---|---|---|
| | RS. | RS. |
| 1894–95 | 75,355 | 3,99,549 |
| 1895–96 | 1,05,441 | 2,94,347 |
| 1896–97 | 1,90,011 | 2,40,773 |
| 1897–98 | 1,42,788 | 3,57,989 |
| 1898–99 | 1,51,753 | 4,65,580 |

The slight increase in exports was due to larger shipments of coffee. 951 horses, valued at Rs. 3,85,000, were imported in 1898–99 against 724 horses, valued at Rs. 2,86,500 in the preceding year. Bengal coal appears to have entirely displaced Australian coal on all the Railways and Engineering works in the Presidency.

Coasting trade.

The subjoined statements show the trade with other provinces in British India and with Indian ports not British for the last five years:—

| Countries. | 1894–95. | 1895–96. | 1896–97. | 1897–98. | 1898–99. Value. | 1898–99. Percentage. |
|---|---|---|---|---|---|---|
| *Exports.* | RS. | RS. | RS. | RS. | RS. | |
| Bombay | 1,33,05,343 | 1,37,40,949 | 1,12,43,726 | 1,24,22,875 | 1,04,51,419 | 31·25 |
| Bengal | 1,27,68,454 | 1,11,32,932 | 99,17,967 | 68,97,642 | 94,00,317 | 28·11 |
| Burma | 69,60,297 | 86,71,651 | 82,34,953 | 85,85,524 | 92,80,820 | 27·75 |
| Cochin | 2,95,164 | 14,27,211 | 14,33,319 | 1,81,587 | 16,53,890 | 4·94 |
| Kattywar | 9,34,756 | 10,09,334 | 8,77,943 | 12,33,357 | 9,31,597 | 2·78 |
| Goa | 7,95,068 | 5,63,196 | 8,28,459 | 8,84,014 | 5,61,573 | 1·68 |
| Cutch | 4,46,441 | 4,76,547 | 4,33,133 | 4,69,516 | 4,43,325 | 1·32 |
| Travancore | 25,86,963 | 16,87,320 | 14,21,793 | 16,54,784 | 3,98,962 | 1·19 |
| Sind | 4,43,357 | 3,29,582 | 3,26,746 | 2,07,093 | 1,83,933 | 0·55 |
| Pondicherry | 1,04,692 | 2,52,917 | 1,30,023 | 1,67,949 | 1,35,687 | ·41 |
| Other Indian ports | 3,888 | 8,656 | 11,531 | 14,608 | 5,153 | 0·02 |
| Total, Exports—Coasting Trade | 3,86,44,423 | 3,93,00,295 | 3,48,59,593 | 3,27,18,949 | 3,34,46,676 | 100 |
| *Imports.* | | | | | | |
| Bombay | 2,48,25,072 | 2,53,31,926 | 1,93,71,537 | 2,02,22,613 | 1,98,44,690 | 42·56 |
| Bengal | 1,13,50,959 | 1,57,39,511 | 1,12,32,541 | 1,12,72,314 | 1,56,15,781 | 33·49 |
| Burma | 68,64,744 | 62,92,186 | 49,00,206 | 1,00,51,844 | 1,00,37,607 | 21·53 |
| Goa | 3,59,437 | 4,21,380 | 3,74,183 | 3,40,319 | 3,93,888 | ·84 |
| Sind | 1,69,148 | 86,359 | 1,29,675 | 1,66,728 | 3,04,223 | ·65 |
| Travancore | 84,439 | 1,18,756 | 1,35,727 | 1,54,918 | 2,20,743 | ·47 |
| Kattywar | 1,08,730 | 87,220 | 50,474 | 1,55,116 | 1,36,076 | ·29 |
| Cochin | 61,431 | 64,821 | 62,528 | 16,273 | 21,797 | ·05 |
| Cutch | 12,459 | 2,905 | 2,920 | 1,970 | 3,723 | ·01 |
| Other Indian ports | 1,01,507 | 31,067 | 46,134 | 47,881 | 53,052 | ·11 |
| Total, Imports—Coasting Trade | 4,39,37,926 | 4,81,76,131 | 3,63,05,925 | 4,24,29,976 | 4,66,31,580 | 100 |

Exports amounted to 334½ lakhs and imports to 466¼ lakhs. Compared with 1897–98, the exports showed an increase of 7¼ lakhs and the imports 42 lakhs.



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The chief articles of export to Bombay were cocoanut kernels and cocoanuts nearly 29½ lakhs, oils 21¼ lakhs, spices 17¼ lakhs, coir, yarn and rope 9½ lakhs, timber and wood, sugar and raw cotton 2½ lakhs each, grain and pulse and oil-cake 2 lakhs each, drugs 1¾ lakhs, provisions 1½ lakhs, bricks and tiles 1¼ lakhs, coffee 1 lakh; to Bengal, spices 15½ lakhs, sugar 11¾ lakhs, seeds 10¼ lakhs, raw cotton 9½ lakhs, cotton piece-goods 8¾ lakhs, oils 8½ lakhs, coir, yarn and rope 5¾ lakhs, hides and skins 4½ lakhs, turmeric 4¼ lakhs, tobacco 2¾ lakhs; to Burma, cotton piece-goods 20½ lakhs, oils 17½ lakhs, tobacco 16 lakhs, seeds 11 lakhs, ghee 2 lakhs, other provisions 7¼ lakhs, cotton twist 4½ lakhs, silk piece-goods 2½ lakhs, sugar 2¼ lakhs; to Cochin, coir, yarn and rope 4¼ lakhs, cocoanut-oil 4 lakhs, rice and tea 2¼ lakhs each; to Kattywar, spices 4 lakhs, timber and wood 1¾ lakhs, cocoanuts and cocoanut kernel 1 lakh; to Goa, grain and pulse 4¾ lakhs; to Cutch, timber and wood 1½ lakhs and sugar 1 lakh; to Travancore, grain and pulse 2¾ lakhs. The chief articles of import from Bombay were salt 36 lakhs, grain and pulse 35¾ lakhs, cotton twist and yarn 29 lakhs, cotton piece-goods 27½ lakhs, kerosine oil 10 lakhs, metals 7 lakhs, seeds 6¾ lakhs, raw cotton 5¾ lakhs, hardware and cutlery 3½ lakhs, dyeing and colouring materials 3½ lakhs, drugs, medicines and narcotics 3 lakhs, sugar 2½ lakhs, provisions 2¼ lakhs, stationery (including paper and paste-board) and timber and wood 2 lakhs each, umbrellas, glass and glassware 1¾ lakhs each, apparel (including boots and shoes) and liquor 1¼ lakhs each, woollen manufactures, oils (except kerosine) and spices 1 lakh each; from Bengal, grain and pluse 75 lakhs, coal 31 lakhs, jute manufactures 9 lakhs, stationery (including paper and paste-board) 8½ lakhs, seeds 4¼ lakhs, silk, raw, 4 lakhs, apparel (including boots and shoes) 3½ lakhs, hides and skins 2¼ lakhs, metals 1¾ lakhs, cotton piece-goods and twist and yarn and drugs, medicines and narcotics 1½ lakhs each, hardware and cutlery 1¼ lakhs; from Burma, grain and pulse 77¾ lakhs, timber and wood 17¾ lakhs, hides and skins 1 lakh; from Sind, paddy 2 lakhs.

### *Total External Trade—Exports.*

The following statement shows the exports of the principal articles of Indian produce and manufacture during the year under report as compared with the preceding year:—

| Articles. | 1897-98. | | 1898-99. | | Percentage of value. | |
|---|---|---|---|---|---|---|
| | Quantity. | Value. | Quantity. | Value. | 1897-98. | 1898-99. |
| | | Rs. | | Rs. | | |
| 1. Hides and skins ... ... Cwt. | 328,600 | 3,16,88,629 | 272,028 | 2,69,92,067 | 21·74 | 18·75 |
| 2. Coffee ... ... ... „ | 230,196 | 1,54,78,794 | 272,053 | 1,76,06,480 | 10·62 | 12·23 |
| 3. Cotton, raw ... ... ... „ | 336,835 | 88,52,242 | 677,122 | 1,42,73,375 | 6·07 | 9·92 |
| 4. Indigo ... ... ... „ | 48,230 | 1,06,78,738 | 42,760 | 93,42,661 | 7·33 | 6·49 |
| 5. Grain and pulse. Rice ... ... „ | 2,802,538 | 1,36,82,046 | 1,611,857 | 78,94,631 | 12·09 | 6·45 |
| 5. Grain and pulse. Paddy ... „ | 387,701 | 10,27,167 | 457,327 | 11,57,768 | | |
| 5. Grain and pulse. Other grains and pulse ... „ | 605,761 | 29,18,320 | 66,875 | 2,50,248 | | |
| 6. Spices ... ... ... lb. | 35,987,675 | 64,37,246 | 38,610,100 | 81,18,413 | 4·42 | 5·64 |
| 7. Cotton piece-goods ... Yds. | 27,174,704 | 69,42,717 | 29,285,750 | 75,67,762 | 4·76 | 5·27 |
| 8. Oils (exclusive of dregs of gingelly oil) ... ... Gals. | 4,683,481 | 58,69,930 | 6,452,014 | 75,18,473 | 4·03 | 5·22 |
| 9. Seeds ... ... ... Cwt. | 777,667 | 53,14,989 | 1,080,035 | 62,45,888 | 3·65 | 4·34 |
| 10. Coir, yarn and rope ... „ | 581,922 | 48,58,223 | 641,982 | 52,78,049 | 3·33 | 3·67 |
| 11. Cocoanuts ... ... No. | 69,282,129 | 20,81,121 | 80,005,074 | 21,86,185 | 2·54 | 2·67 |
| 11. Cocoanut kernel ... ... Cwt. | 145,626 | 16,11,510 | 153,436 | 16,45,231 | | |
| 12. Sugar ... ... ... „ | 697,850 | 38,34,349 | 487,048 | 34,65,795 | 2·63 | 2·41 |
| 13. Tea ... ... ... ... lb. | 3,441,839 | 25,77,803 | 4,062,005 | 28,21,079 | 1·77 | 1·96 |
| 14. Tobacco ... ... ... „ | 10,688,492 | 26,03,738 | 10,843,310 | 26,88,770 | 1·79 | 1·87 |
| 15. Cotton twist and yarn ... „ | 8,171,361 | 30,80,807 | 6,299,243 | 22,54,139 | 2·11 | 1·57 |
| 16. Timber and wood ... ... Val. | ... | 16,06,104 | ... | 13,81,462 | 1·10 | ·96 |
| 17. All other articles ... ... „ | ... | 1,45,96,010 | ... | 1,52,33,796 | 10·02 | 10·58 |
| Total, merchandise ... | ... | 14,57,40,483 | ... | 14,39,22,272 | 100 | 100 |
| Re-exports ... ... ... ... | ... | 11,06,150 | ... | 13,13,389 | ... | ... |
| Grand Total ... | ... | 14,68,46,633 | ... | 14,52,35,661 | ... | ... |

Compared with 1897–98, the exports in the past official year showed an increase both in quantity and in value under coffee, raw cotton, spices, cotton piece-goods, oils, seeds, coir, yarn and rope, cocoanuts and cocoanut kernel, tea, and tobacco; a decrease in both under hides and skins, indigo, grain and pluse, sugar, and cotton twist and yarn; and a decrease in value only under timber and wood. The trade in each article will now be noticed.

Hides and skins.

The trade in hides and skins showed a decrease of 17·21 per cent. in quantity and 14·82 per cent. in value. There was a decrease of 50,434 cwt. in quantity and of nearly $28\frac{1}{4}$ lakhs in value in the exports of dressed or tanned hides to the United Kingdom, probably due to the cessation of famine and consequent decrease of cattle mortality. The decrease of 9,262 cwt. in quantity and of nearly $14\frac{1}{4}$ lakhs in value in the exports of dressed or tanned skins to the United States was due to the depression of trade in the American market caused by the outbreak of the Spanish-American war and also to the diminution of demand owing to the introduction of a new method of chemical tanning for which raw, and not tanned skins are required. A demand therefore for raw skins has arisen, and the exports of them have increased by 5,112 cwt. in quantity and $3\frac{1}{2}$ lakhs in value. The exports of hides and skins for the last five years are as follows :—

| | CWT. | RS. |
|---|---|---|
| 1894-95 ... ... ... ... ... ... ... ... ... | 274,239 | 3,10,70,367 |
| 1895-96 ... ... ... ... ... ... ... ... ... | 317,445 | 3,37,63,684 |
| 1896-97 ... ... ... ... ... ... ... ... ... | 294,589 | 3,11,43,640 |
| 1897-98 ... ... ... ... ... ... ... ... ... | 328,600 | 3,16,88,629 |
| 1898-99 ... ... ... ... ... ... ... ... ... | 272,028 | 2,69,92,067 |

Of the total quantity, the United Kingdom took 76·20 per cent., the United States 14·58 per cent., Bengal 4·34 per cent., the Straits Settlements 1·15 per cent., and other countries 3·73 per cent. The chief centre of this trade was, as usual, Madras, from which 90·77 per cent. of the total quantity was shipped.

Coffee.

The trade in the past year showed an increase of 41,857 cwt., or 18·18 per cent. in quantity and of Rs. 21,27,686 or 13·74 per cent. in value. The increase was in exports to the United Kingdom, chiefly from Malabar and South Canara, the crops in Mysore and Malabar having been good. The trade in this article would have been much greater but for the fall in price in European markets due to heavy landings of Brazilian coffee. Of the total quantity, the exports to the United Kingdom amounted to 57·06 per cent., to France 30·71 per cent., to Austria-Hungary 3·36 per cent., to Germany 2·04 per cent., to Ceylon 1·65 per cent., and to other countries 5·18 per cent. The ports from which coffee was chiefly exported were, as usual, Mangalore, Tellicherry, Calicut, Beypore and Madras.

Cotton, raw.

The exports of raw cotton showed an increase of 101·02 per cent. in quantity and of 61·24 per cent. in value. A larger quantity was shipped than in the previous year to Japan, China, the Continent of Europe and Bengal, as the year's crop was good and prices were favourable, owing to diminished competition of American cotton in the European market. Of the total quantity, Japan took 43·22 per cent., the United Kingdom 13·18 per cent., Belgium 12·37 per cent., Bengal 7·58 per cent., France 5·93 per cent., China 5·04 per cent., Germany 4·66 per cent., Austria-Hungary 2·07 per cent., Italy 2·04 per cent., Bombay 1·55 per cent., Ceylon 1·40 per cent., and other countries ·96 per cent. The principal ports from which raw cotton was exported were Tuticorin, Madras and Cocanada.

Indigo.

The trade during the past year showed a decrease of 5,470 cwt. or 11·34 per cent. in quantity and of Rs. 13,36,077 or 12·51 per cent. in value. The decrease was due to the fact that the area sown with the indigo was much less than in previous years. This was partly due to want of timely rain and partly to the substitution of food-crops for indigo on account of fall in the price of the dye.

Rice and paddy.

The trade fell off during the year to the extent of 1,121,055 cwt., or 35·14 per cent. in quantity and of Rs. 56,56,814 or 38·45 per cent. in value. The decrease was due to the smaller exportation of rice to Ceylon, owing to the competition of rice from Bengal and Burma where the crops were abundant. Of the total quantity, Ceylon took 77·86 per cent., Mauritius 6·26 per cent., Goa 5·38 per cent., Travancore 3·79 per cent., Cochin 3·08 per cent., Bombay 1·88 per cent., and other countries 1·75 per cent.

Other grains.

The principal grains included under this head are gram and pulse, which together amounted to 94·15 per cent. of the total quantity. The trade under this head showed a large decrease in the exports to Bombay, Bengal and Ceylon. This was due chiefly to the exports of unspecified grains having been unusually large in 1897–98, owing to plague in Bombay and famine in Central India and to a good harvest of those grains in parts of the Tinnevelly and Madura districts.

Spices.

The trade in spices showed an increase of 2,622,425 lb. in quantity and of Rs. 16,81,167 in value. The increase appeared in the exports from Malabar to the United Kingdom, Austria-Hungary, Germany, Italy, United States, Bengal and Bombay, and was due to the excellence of the pepper crop in Malabar and Travancore, whereby the quantity available for export was large. The exports were distributed as follows:—

| Countries or provinces. | Pepper. | Ginger. | Chillies. | Areca-nuts. | Carda-moms. | Other sorts. | Total. | Percent-age. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Bombay ... ... ... | 7,04,460 | 2,47,430 | 1,11,596 | 4,18,297 | 2,12,203 | 11,562 | 17,35,548 | 21·38 |
| United Kingdom .. | 7,58,993 | 7,55,669 | 939 | ... | 55,589 | 5,167 | 15,76,357 | 19·42 |
| Bengal ... .. . | 13,81,972 | 406 | 3,411 | 2,160 | 1,52,183 | ... | 15,40,132 | 18·97 |
| Ceylon .. ... ... | 25,607 | 18,459 | 6,19,571 | 4,223 | 36,968 | 163 | 7,04,993 | 8·68 |
| Germany ... ... ... | 4,29,602 | 41,924 | | ... | 29,457 | .. | 5,00,983 | 6·17 |
| Kattywar ... ... ... | 8,396 | 1,372 | ... | 3,95,082 | 2,065 | ... | 4,06,915 | 5·01 |
| Italy ... ... | 3,70,195 | 3,750 | ... | ... | ... | ... | 3,73,945 | 4·61 |
| United States ... ... | 2,87,601 | 30,400 | .. | ... | ... | ... | 3,18,001 | 3·92 |
| Other places ... ... | 6,85,990 | 1,14,166 | 34,538 | 89,216 | 37,490 | 139 | 9,61,539 | 11·84 |
| Total ... | 46,52,816 | 12,13,576 | 7,70,055 | 9,38,978 | 5,25,955 | 17,033 | 81,18,413 | 100 |

Cotton piece-goods.

The variation was large only under coloured piece-goods, which showed an increase of 2,559,878 yards in quantity and Rs. 7,10,563 in value over the figures of 1897–98. There was an increase of $4\frac{3}{4}$ lakhs in the exports to the Straits Settlements and of $5\frac{1}{2}$ lakhs in those to Burma partly counterbalanced by a decrease of $4\frac{1}{4}$ lakhs in the exports to Ceylon. The increase was due to larger demand in the Straits and Burma markets and the decrease to the large stock on hand in Ceylon from the previous year's supply. Of the total value of $56\frac{1}{2}$ lakhs of coloured cloth exported, the Straits Settlements paid $23\frac{1}{4}$ lakhs, Ceylon $18\frac{1}{4}$ lakhs and Burma $10\frac{3}{4}$ lakhs. Of the total value of $18\frac{1}{2}$ lakhs of grey goods, nearly 9 lakhs were contributed by Burma, nearly $5\frac{1}{2}$ lakhs by Bengal and $2\frac{3}{4}$ lakhs by China.

Oils.

The total exports of oils amounted to 6,452,014 gallons valued at Rs. 75,18,473. The most important were cocoanut, groundnut, castor and til or gingelly. The exports of cocoanut oil showed an increase of 1,448,037 gallons in quantity and of Rs. 14,07,306 in value. The increase was wholly in exports from Malabar, and the reasons given were the plentiful crop of cocoanuts and the low prices in the local market. The principal increases were in the exports to the following provinces and countries: Bombay $3\frac{1}{4}$ lakhs, Bengal $5\frac{3}{4}$ lakhs, United States 3 lakhs, Cochin State 4 lakhs, and Germany $1\frac{1}{2}$ lakhs. There was a decrease of $4\frac{1}{2}$ lakhs in the exports to Travancore. The exports of groundnut oil amounted to 518,554 gallons valued at Rs. 7,34,391 against 511,303 gallons valued at Rs. 8,09,138 in the previous year. Burma, as usual, was the chief consumer of the oil, 84·69 per cent. of the total quantity having been exported to it. The exports of castor oil were 451,824 gallons valued at Rs. 4,87,016. There was an increase of 91,109 gallons in quantity and of Rs. 51,744 in value, which was due to the good outturn of castor crop in the Gódávari district during the year. The exports of gingelly oil amounted to 333,629 gallons valued at Rs. 4,53,038 against 78,096 gallons valued at Rs. 1,34,414 in the previous year, thus showing an increase of 255,533 gallons in quantity and of Rs. 3,18,624 in value. This was mainly due to an increase of nearly $2\frac{1}{2}$ lakhs in the exports to Burma from the district of Gódávari, where the price was low, owing to the abundance of the crop. The export of seeds to France was much less than in the preceding year. The exports of essential oils amounted to 8,261 gallons valued at Rs. 1,71,375 against 8,596 gallons valued at Rs. 1,90,801 in the previous

year, showing a decrease of 335 gallons in quantity and of Rs. 19,426 in value. The value of the exports of other oils was Rs. 30,544.

Seeds. The trade in seeds in the year showed an increase of 302,368 cwt., or 38·88 per cent. in quantity and of Rs. 9,30,899 or 17·51 per cent. in value. This increase occurred chiefly under castor, rape and "other sorts." The last head included "essential" seeds, under which there was an increase of Rs. 4,80,737. The figures for the several kinds of these seeds cannot be given separately as they are not separately enumerated in the coasting trade returns, and the increase occurs in the coasting trade. The increase under seeds was due to favourable season and good crops. The principal kinds of seeds exported are gingelly, castor, rape and ground-nut. Gingelly and castor seeds were exported chiefly from Cocanada, rape-seed from Bimlipatam, and ground-nuts from Madras. There was an increase in the exports of castor-seeds to the United Kingdom, Bengal, Russia and France. Those of rape to the United Kingdom showed an increase of 2½ lakhs. The decrease of 2 lakhs under ground-nuts was due to shortage of the crop in consequence of unseasonable rainfall.

Coir, yarn and rope. The exports showed an increase of 60,060 cwt. in quantity and of Rs. 4,19,826 in value. The increase in exports took place chiefly from Malabar. It was due to increased demand from the United Kingdom and Germany and the consequent increased manufacture of the article in the interior of Travancore.

Cocoanuts and cocoanut-kernels. The value of the exports in the past year amounted to 38¼ lakhs against nearly 37 lakhs in the previous year. The increase under cocoanuts was all in exports from Malabar to Bombay. The plague having to some extent abated, the demand in the Bombay Presidency increased; and prices in the local market were low on account of the plentiful crop. The bulk of the trade in kernels was in Malabar and showed a decrease in the exports to Bombay owing to increased exportation of cocoanuts to that place; but this was more than counterbalanced by an increase in the exports to Europe which was due to good prices ruling in Germany and France.

Sugar. The exports showed a decrease of 269,916 cwt. in quantity and of Rs. 10,23,249 in value under unrefined sugar and an increase of 59,114 cwt. in quantity and of Rs. 6,54,695 in value under refined sugar. These variations resulted in a net decrease of 210,802 cwt. in quantity and of Rs. 3,68,554 in value. The explanation given for the decrease of nearly 10¼ lakhs in the exports of unrefined sugar was that sugarcane was not grown over such a large area in the Gódávari district as in previous years; and the little that was raised suffered much from disease so that there was a failure of crop. The falling off occurred especially in the exports of unrefined sugar to the United Kingdom, which takes by far the greatest quantity of this product; but there was an increase in the exports of refined sugar to Bengal. Of the total quantity, 52·08 per cent. was taken by the United Kingdom against 64·06 per cent. in the previous year. The value of the exports of refined sugar amounted to 17½ lakhs and of unrefined sugar to 17 lakhs. The United Kingdom took in the year 1,93,370 cwt. less of unrefined sugar than in the preceding year, and Bengal 74,923 cwt. more of refined sugar. The principal ports from which sugar was exported were Cuddalore, Vizagapatam, Cocanada and Madras.

Tea. The trade in tea, which was stated in the last report to have been steadily developing, showed a further advance of nearly 2½ lakhs in value in the past year. The increase was due to good crops and to an increasing London demand. Of the total quantity, 87·17 per cent. was exported to the United Kingdom.

Tobacco. The exports of tobacco showed an increase of 1·44 per cent. in quantity and 3·20 per cent. in value. The slight increase in the export of the article was due to the fact that Indian cheroots are growing in popularity and to a decrease in the exports from Cuba and Manilla. Burma took 15½ lakhs' worth of tobacco leaf. The United Kingdom took over 3 lakhs' worth, and Bengal nearly 2¼ lakhs' worth, of cigars.

Cotton twist and yarn. The trade in the past year showed a decrease of 22·91 per cent. in quantity and of 26·83 per cent. in value. The decrease occurred chiefly in the exports to China

and Burma. The owners of three of the mills having incurred loss over previous consignments to Shanghai disposed of most of their yarn to local merchants; and one of the other mills did not work throughout the year. Out of the total quantity, 74·66 per cent. was exported to China, 20·33 per cent. to Burma, 1·91 per cent. to Ceylon and 3·10 per cent. to other countries.

Timber and wood.

The several kinds of timber and wood exported are shown below :—

| — | 1897-98. | 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Teak ... ... ... ... ... ... | 1,66,764 | 1,68,783 |
| Other timber ... ... ... ... ... ... | 6,00,023 | 4,43,258 |
| Ornamental wood including sandalwood ... ... | 6,64,179 | 5,98,236 |
| Manufactures ... ... ... ... ... ... | 1,62,765 | 1,60,377 |
| Firewood ... ... ... ... ... ... ... | 12,373 | 10,808 |
| Total ... | 16,06,104 | 13,81,462 |

The decrease was mainly due to smaller exports of timber other than teak to Kattywar from Malabar owing to the surplus of last year's stock remaining in that State. There was also a small falling off in the exports of ornamental wood to Bombay from South Canara. Teak-wood and other kinds of timber were exported chiefly to Kattywar and Cutch; and ornamental wood to Germany, the United Kingdom, Bombay and France.

Other articles.

The export trade in articles of minor importance, as compared with 1897–98, was as follows :—

| — | 1897-98. | 1898-99. |
|---|---|---|
| | LAKHS. | LAKHS. |
| Animals, living ... ... ... ... ... ... ... | 11 | 13 |
| Bristles and fibre for brushes and brooms ... ... ... | 4¼ | 6¼ |
| Cotton manufactures— | | |
| Handkerchiefs and shawls in the piece ... ... ... | 5½ | 6 |
| Dregs of gingelly oil ... ... ... ... ... ... | 7¼ | 7¼ |
| Drugs— | | |
| Peruvian bark ... ... ... ... ... ... ... | 7¾ | 3⅓ |
| Other drugs ... ... ... ... ... ... ... | 4¾ | 5½ |
| Fresh vegetables ... ... ... ... ... ... ... | 8 | 7¾ |
| Oil-cake ... ... ... ... ... ... ... ... | 8 | 10¾ |
| Provisions— | | |
| Ghee ... ... ... ... ... ... ... ... | 2½ | 3¼ |
| Salted fish ... ... ... ... ... ... ... | 11 | 7½ |
| Other provisions ... ... ... ... ... ... ... | 15¼ | 16 |
| Turmeric ... ... ... ... ... ... ... ... | 5¾ | 5⅗ |
| Manganese ore ... ... ... ... ... ... ... | 6¼ | 5 |
| Silk piece-goods ... ... ... ... ... ... .. | 4 | 4 |

Animals of the value of 8¼ lakhs were exported to Ceylon and of the value of 4½ lakhs to the Straits Settlements. Of bristles 2¼ lakhs' worth was exported to Ceylon, 1½ lakhs' worth to Germany and a similar quantity to the United Kingdom. Almost the whole quantity of handkerchiefs was exported to the United Kingdom. The whole of the dregs of gingelly oil and 5¼ lakhs' worth of fresh vegetables were shipped to Ceylon. The whole of the peruvian bark and 2¼ lakhs' worth of the other drugs were taken by the United Kingdom and 1½ lakhs' worth of the latter by Bombay. Of the oil-cake, 4¼ lakhs' worth was exported to Ceylon and 2½ lakhs' worth each to the Straits Settlements and Bombay. Burma took 2 lakhs' worth of ghee; all the salted fish was exported to Ceylon. Bengal took nearly 4½ lakhs' worth of turmeric. Of manganese ore, 4 lakhs' worth was exported to the United Kingdom and 1 lakh's worth to the United States. Two and-a-half lakhs' worth of silk piece-goods was shipped to Burma and 1½ lakhs' worth to the Straits Settlements.

*External Trade—Imports.*

The value of the imports relating to external trade from 1876–77 including the famine period of 1876–78 is given below :—

| Years. | Foreign merchandise. | Indian produce. | Total. |
|---|---|---|---|
| | RS. | RS. | RS. |
| 1876-77 | 4,33,23,891 | 5,14,62,510 | 9,47,86,401 |
| 1877-78 | 4,07,75,707 | 8,65,60,790 | 12,73,36,497 |
| 1878-79 | 3,66,35,449 | 3,38,98,755 | 7,05,34,204 |
| 1879-80 | 3,97,66,037 | 1,72,77,298 | 5,70,43,335 |
| 1880-81 | 4,78,24,554 | 1,47,82,042 | 6,26,06,596 |
| 1881-82 | 4,71,69,573 | 1,58,32,800 | 6,30,02,373 |
| 1882-83 | 5,49,71,138 | 1,48,92,233 | 6,98,63,371 |
| 1883-84 | 5,57,34,903 | 1,83,94,261 | 7,41,29,164 |
| 1884-85 | 6,04,59,882 | 1,63,19,519 | 7,67,79,401 |
| 1885-86 | 5,47,08,331 | 1,96,74,255 | 7,43,82,586 |
| 1886-87 | 6,56,58,300 | 1,88,53,026 | 8,45,11,326 |
| 1887-88 | 6,55,22,096 | 1,85,71,707 | 8,40,93,803 |
| 1888-89 | 7,05,98,627 | 1,57,21,531 | 8,63,20,158 |
| 1889-90 | 7,40,69,684 | 1,91,48,241 | 9,32,17,925 |
| 1890-91 | 7,41,43,269 | 2,67,73,491 | 10,12,16,760 |
| 1891-92 | 7,18,79,083 | 3,32,39,315 | 10,51,18,398 |
| 1892-93 | 6,60,77,598 | 3,00,50,436 | 9,61,28,034 |
| 1893-94 | 7,44,67,867 | 3,13,48,679 | 10,58,16,546 |
| 1894-95 | 8,25,05,215 | 2,86,32,837 | 11,11,38,052 |
| 1895-96 | 7,09,22,616 | 3,41,92,148 | 10,51,14,764 |
| 1896-97 | 6,92,13,601 | 2,53,29,759 | 9,45,43,360 |
| 1897-98 | 7,38,48,614 | 3,25,29,894 | 10,63,78,508 |
| 1898-99 | 6,17,55,783 | 3,75,48,706 | 9,93,04,489 |

The value of the imports during the year under report showed a decrease of 70¾ lakhs as compared with the preceding year. The decrease under foreign produce was nearly 121 lakhs, but this was partly counterbalanced by an increase of nearly 50¼ lakhs under Indian produce. The large decrease in the former occurred chiefly in the imports of cotton piece-goods, cotton twist and yarn, and metals; and the increase in the latter in the import of grain and pulse. Of the total imports, the United Kingdom supplied 37·55 per cent., Bombay 19·98 per cent., Bengal 15·72 per cent., Burma 10·11 per cent., Ceylon 3·61 per cent. and the Straits Settlements 2·85 per cent., leaving 10·18 per cent. as the contributions of all other countries.

The following statement shows details of the imports of the principal articles of merchandise in 1898–99 as compared with those of the preceding year :—

| Articles. | 1897–98. | | 1898–99. | | Percentage of value. | |
|---|---|---|---|---|---|---|
| | Quantity. | Value. | Quantity. | Value. | 1897–98. | 1898–99. |
| | | RS. | | RS. | | |
| Grain and pulse ... ... Cwt. | 3,328,535 | 1,29,18,291 | 5,147,257 | 1,92,71,596 | 12·15 | 19·41 |
| Cotton piece-goods ... ... Yds. | 142,265,624 | 2,12,25,499 | 112,213,347 | 1,61,37,358 | 19·95 | 16·25 |
| Do. twist and yarn ... lbs. | 23,708,333 | 1,35,47,013 | 20,448,079 | 1,02,10,331 | 12·74 | 10·28 |
| Metals ... ... ... Cwt. | 713,766 | 75,00,599 | 547,464 | 51,56,441 | 7·05 | 5·19 |
| Kerosine oil ... ... ... Gals. | 9,644,212 | 39,94,744 | 9,688,733 | 38,80,026 | 3·75 | 3·91 |
| Salt ... ... ... ... Tons. | 46,153 | 38,88,294 | 43,020 | 36,03,672 | 3·66 | 3·63 |
| Coal, coke and patent fuel ... „ | 211,190 | 27,52,962 | 317,595 | 35,72,113 | 2·59 | 3·60 |
| Spices ... ... ... ... lbs. | 24,419,445 | 26,49,434 | 22,862,748 | 31,06,905 | 2·50 | 3·13 |
| Machinery and Mill work ... Val. | ... | 33,05,431 | ... | 26,31,319 | 3·11 | 2·65 |
| Apparel ... ... ... „ | ... | 25,77,499 | ... | 26,11,851 | 2·42 | 2·63 |
| Liquors ... ... ... Gals. | 681,645 | 22,24,040 | 722,260 | 23,35,427 | 2·09 | 2·35 |
| Timber and wood ... ... Val. | ... | 27,67,443 | ... | 22,48,268 | 2·60 | 2·26 |
| Hardware and cutlery ... „ | ... | 21,36,324 | ... | 19,33,950 | 2·01 | 1·94 |
| Stationery including paper and paste-board ... ... „ | ... | 17,24,369 | ... | 19,31,779 | 1·62 | 1·94 |
| Drugs, medicines and narcotics ... ... ... „ | ... | 19,80,875 | ... | 18,29,840 | 1·86 | 1·84 |
| Railway materials ... ... „ | ... | 17,04,572 | ... | 16,60,141 | 1·60 | 1·67 |
| Provisions ... ... ... „ | ... | 16,34,308 | ... | 14,74,544 | 1·53 | 1·49 |
| Seeds ... ... ... Cwt. | 117,160 | 12,74,236 | 137,204 | 12,46,423 | 1·20 | 1·26 |
| Gunny bags ... ... ... No. | 13,576,483 | 24,16,216 | 6,958,768 | 11,31,493 | 2·27 | 1·14 |
| Other articles ... ... Val. | ... | 1,41,56,359 | ... | 1,33,31,012 | 13·30 | 13·43 |
| Total ... | ... | 10,63,78,508 | ... | 9,93,04,489 | 100 | 100 |

The following statement shows the imports of rice, paddy and other grains for the last five years :— Grain and pulse.

| Years. | Rice. | | Paddy. | | Other grains. | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | CWT. | RS. | CWT. | RS. | CWT. | RS. | CWT. | RS. |
| 1894–95 .. .. | 851,585 | 35,72,079 | 1,878,651 | 40,10,286 | 1,034,779 | 38,03,164 | 3,765,015 | 1,13,85,529 |
| 1895–96 ... ... | 1,770,759 | 72,89,892 | 1,031,269 | 26,99,285 | 1,204,826 | 42,12,047 | 4,006,854 | 1,42,01,224 |
| 1896–97 ... | 501,327 | 19,84,239 | 567,317 | 14,09,861 | 558,647 | 22,89,763 | 1,627,291 | * 56,83,863 |
| 1897–98 ... . .. | 1,667,401 | 70,01,939 | 1,162,211 | 32,54,417 | 498,923 | 26,61,935 | 3,328,535 | 1,29,18,291 |
| 1898–99 ... ... | 2,270,490 | 97,24,216 | 1,749,416 | 46,10,216 | 1,127,351 | 49,37,164 | 5,147,257 | 1,92,71,596 |

* Flour has been included under "grain and pulse" since 1896–97.

Though the harvest was good in the districts of Vizagapatam, Gódávari, Kistna and Tanjore, the imports under this head exceed those of the preceding year by 1,818,722 cwt. in quantity and Rs. 63,53,305 in value. The year began with an exhausted market. Many of the districts are not yet free from the effects of the late famine; and the dry crops in certain parts failed owing to excessive rain. The result was large imports from Bengal, Bombay and Burma, where the harvest was good and prices favourable. There were increases of 27¼ lakhs under rice, 13½ lakhs under paddy and 22¾ lakhs under other grains. Of the total value, 40·33 per cent. came from Burma, 38·96 per cent. from Bengal, 18·50 per cent. from Bombay and 2·21 per cent. from other places.

Cotton piece-goods.

The trade in 1898–99 showed a decrease of 50¾ lakhs in value. The sudden decrease was due to various causes, viz., rise in exchange, fall in price of American cotton, heavy imports in the previous year, scarcity in certain districts not fully recovered from famine and cheaper local supply.

The following statement shows the imports of the several kinds of piece-goods :—

| | | Foreign. | | Indian. | | Total. | |
|---|---|---|---|---|---|---|---|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | YDS. | RS. | YDS. | RS. | YDS. | RS. |
| Grey ... ... | 1897–98 ... | 81,883,476 | 1,08,20,627 | 431,057 | 80,090 | 82,314,533 | 1,09,00,717 |
| | 1898–99 ... | 64,682,770 | 82,59,004 | 521,624 | 89,542 | 65,204,394 | 83,48,546 |
| White ... | 1897–98 ... | 28,618,299 | 47,79,185 | 77,045 | 13,030 | 28,695,344 | 47,92,215 |
| | 1898–99 ... | 17,988,159 | 29,75,017 | 35,684 | 6,674 | 18,023,843 | 29,81,691 |
| Coloured ... | 1897–98 ... | 30,285,825 | 51,68,912 | 969,922 | 3,63,655 | 31,255,747 | 55,32,567 |
| | 1898–99 ... | 27,956,182 | 44,83,166 | 1,028,928 | 3,23,955 | 28,985,110 | 48,07,121 |
| Total ... | 1897–98 ... | 140,787,600 | 2,07,68,724 | 1,478,024 | 4,56,775 | 142,265,624 | 2,12,25,499 |
| | 1898–99 ... | 110,627,111 | 1,57,17,187 | 1,586,236 | 4,20,171 | 112,213,347 | 1,61,37,358 |

There was a decrease of 25½ lakhs under grey goods, 18 lakhs under white goods and 7¼ lakhs under coloured goods. Of the Indian goods amounting to 4¼ lakhs, 2 lakhs' worth, consisting chiefly of coloured goods, were imported from Goa and 2¼ lakhs' worth, chiefly grey and coloured goods, from Bombay.

Cotton twist and yarn.

There was a large decrease of 3,260,254 lbs. in the imports of this article and the causes which led to this are similar to those assigned for the decrease under cotton piece-goods. Of the total quantity of imports, the United Kingdom supplied 55·68 per cent. and Bombay 41·98 per cent. The total value of foreign twist and yarn amounted to 77¼ lakhs and that of the Indian article to nearly 25 lakhs.

Metals.

The subjoined statement shows the imports for the last five years :—

| Metals. | | 1894–95. | 1895–96. | 1896–97. | 1897–98. | 1898–99. |
|---|---|---|---|---|---|---|
| Brass ... ... ... | Cwt. | 12,207 | 13,606 | 6,893 | 5,785 | 3,779 |
| | Rs. | 4,96,299 | 5,68,646 | 3,04,367 | 2,71,391 | 1,73,778 |
| Copper ... ... ... | Cwt. | 54,109 | 49,115 | 41,936 | 48,474 | 23,288 |
| | Rs. | 23,49,202 | 22,60,137 | 18,67,671 | 21,02,984 | 10,82,398 |
| Iron ... ... ... ... | Cwt. | 354,531 | 595,344 | 564,745 | 566,862 | 440,764 |
| | Rs. | 22,23,055 | 35,54,707 | 34,46,293 | 37,45,724 | 27,82,977 |
| Other metals ... ... | Cwt. | 72,617 | 89,419 | 74,954 | 92,645 | 79,633 |
| | Rs. | 12,42,765 | 14,34,627 | 11,87,542 | 13,80,500 | 11,17,288 |
| Total ... | Cwt. | 493,464 | 747,484 | 688,528 | 713,766 | 547,464 |
| | Rs. | 63,11,321 | 78,18,117 | 68,05,873 | 75,00,599 | 51,56,441 |

The imports of metals showed a decline of nearly 1 lakh under brass, of $10\frac{1}{4}$ lakhs under copper, $9\frac{1}{2}$ lakhs under iron and nearly $2\frac{3}{4}$ lakhs under other metals, resulting in a total decrease of $23\frac{1}{2}$ lakhs due for the most part to high prices in the European market. The trade in aluminium wares, which has recently sprung up in this Presidency, has also affected the imports of copper, brass and tin. Enterprising native merchants have already followed the lead of the School of Arts in this industry. The largest demands for these wares came from hospitals, schools, jails and from officers' messes and regimental canteens. The decline in the import of iron and steel was attributed to great activity in the ship-building trade in the United Kingdom, and the depreciation in the value of the silver dollar is said to have discouraged the trade in tin, almost all of which is imported from the Straits Settlements. Of the total imports, the United Kingdom contributed 49·92 per cent. in value, Belgium 22·28 per cent., Bombay 13·41 per cent., Bengal 3·57 per cent., the Straits Settlements 3·16 per cent. and other countries 7·66 per cent.

Kerosine oil.

The imports of kerosine oil for the last two years are given below:

| | GALS. | RS. |
|---|---|---|
| 1897-98 ... ... ... ... ... ... ... ... ... | 9,644,212 | 39,94,744 |
| 1898-99 ... ... ... ... ... ... ... ... ... | 9,688,733 | 38,80,026 |

The importation under this head increased by 44,521 gallons in quantity and decreased by Rs. 1,14,718 in value. The increase in quantity was small, but, such as it was, it shows that the use of the oil is gradually spreading owing to its low price. There was a decrease in the importation of *case* oil by 288,115 gallons. This was due partly to the temporary suspension of imports from Sumatra where earthquakes interfered with the yield for a time; but still more to the gradual displacement of case oil by *bulk* oil on account of its comparative cheapness and convenience for storing and transport.

Salt.

The trade in the past year showed a decrease of 3,133 tons in quantity and $2\frac{3}{4}$ lakhs in value:—

| | TONS. | RS. |
|---|---|---|
| 1897-98 ... ... ... ... ... ... ... ... ... | 46,153 | 38,88,294 |
| 1898-99 ... ... ... ... ... ... ... ... ... | 43,020 | 36,03,672 |

The decrease was due partly to the plague and quarantine regulations in Bombay and partly to the demands of Bangalore and Mysore having been met direct from Marmagoa by the Southern Mahratta Railway.

Coal, coke and patent fuel.

The imports of coal, coke and patent fuel in the last two years were—

| | TONS. | RS. |
|---|---|---|
| 1897-98 ... ... ... ... ... ... ... ... ... | 211,190 | 27,52,962 |
| 1898-99 ... ... ... ... ... ... ... ... ... | 317,595 | 35,72,113 |

The imports from foreign countries showed a decrease of 25,992 tons, while the coasting trade showed an increase of 132,397 tons, the net result being an increase of 106,405 tons. The continued falling off in the imports from foreign countries and the corresponding increase in the imports coastwise were due to the foreign coal being gradually displaced by Bengal coal on railways and engineering works. Of the total quantity, Bengal supplied 93·75 per cent. and the United Kingdom 5·40 per cent.

Spices.

The total value of the imports of spices amounted to 31 lakhs against $26\frac{1}{2}$ lakhs in the previous year. The bulk of the trade under this head continued to be betel-nuts from Ceylon and the Straits Settlements. There was a decrease of 1,771,012 lb. in quantity and an increase of Rs. 3,95,276 in value, which was attributed to the failure of crops in Ceylon and the consequent high price ruling there. The ports which took the greatest quantity were Tuticorin and Negapatam. The imports of "other spices" were 2,211,095 lb. valued at Rs. 4,57,585 against 1,996,780 lb. valued at Rs. 3,95,390 in 1897–98. This increase, which occurred chiefly in the imports of pepper from Travancore into Malabar, was due to good crop and a great demand for exportation to European countries, Malabar being the chief place of export of this article.

Machinery and mill work.

The imports under this head for the last two years were as follows:—

| | RS. |
|---|---|
| 1897-98 ... ... ... ... ... ... ... ... ... ... ... | 33,05,431 |
| 1898-99 ... ... ... ... ... ... ... ... ... ... ... | 26,31,319 |

The decrease of $6\frac{3}{4}$ lakhs was chiefly attributable to the smaller number of new mills constructed during the year.

Apparel including boots, shoes and military uniforms.

The trade under this head showed a slight increase of Rs. 34,352, which was due to increased importations of old coats from England for estate coolies. Of the total imports, France supplied 47·43 per cent., the United Kingdom 27·31 per cent., Bengal 13·46 per cent. and Bombay 5·07 per cent.

Liquors.

The following table shows the trade in the principal kinds of liquor during the last five years :

| Liquors. | | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. |
|---|---|---|---|---|---|---|
| Spirits and liqueurs ... | Gals. | 209,353 | 220,954 | 217,466 | 199,337 | 181,484 |
| | Rs. | 11,37,532 | 12,08,981 | 13,18,945 | 10,89,019 | 12,24,807 |
| Wines ... ... ... ... | Gals. | 55,664 | 58,005 | 55,441 | 52,378 | 50,466 |
| | Rs. | 4,97,339 | 5,07,981 | 5,19,413 | 5,23,379 | 4,58,992 |
| Ale, beer and porter ... ... | Gals. | 455,099 | 541,990 | 551,505 | 429,254 | 489,331 |
| | Rs. | 6,17,317 | 7,14,669 | 6,99,773 | 6,08,207 | 6,45,449 |
| Other sorts .. ... ... | Gals. | 254 | 245 | 392 | 676 | 979 |
| | Rs. | 1,233 | 1,130 | 1,793 | 3,435 | 6,179 |
| Total ... | Gals. | 720,370 | 821,194 | 824,804 | 681,645 | 722,260 |
| | Rs. | 22,53,421 | 24,32,761 | 25,39,924 | 22,24,040 | 23,35,427 |

In the year under report the trade in wines declined both in quantity and value, that in spirits and liqueurs declined in quantity and increased in value, and that in ale, beer and porter and other sorts of liquors increased both in quantity and in value, the net result being an increase of 40,615 gallons in quantity and of Rupees 1,11,387 in value. The increase in quantity of ale, beer and porter imported may be due to the return of the regiments which, in the previous year, were employed out of the Presidency, in connection with the frontier troubles.

Spirits and liqueurs.

The imports under spirits and liqueurs during the past year are compared below with those of the preceding year :—

| Spirits and liqueurs. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Quantity. | Value. | Quantity. | Value. |
| | GALS. | RS. | GALS. | RS. |
| Brandy ... ... ... ... ... ... | 28,114 | 2,54,222 | 33,486 | 3,05,513 |
| Rum ... ... ... ... ... ... | 2,497 | 16,807 | 1,933 | 11,076 |
| Gin ... ... ... ... ... ... | 9,991 | 45,089 | 9,147 | 40,300 |
| Whisky ... ... ... ... ... ... | 48,455 | 4,30,410 | 61,598 | 5,22,552 |
| Other spirits ... ... ... ... ... | * 5,321 / 103,915 | * 58,862 / 2,61,104 | * 5,696 / 68,315 | * 62,535 / 2,56,226 |
| Liqueurs ... ... ... ... ... | 1,044 | 22,525 | 1,309 | 26,605 |
| Total ... | 199,337 | 10,89,019 | 181,484 | 12,24,807 |

* Particulars are not separately recorded of gin, whisky and liqueurs imported coastwise. These figures represent the totals of such importations.

The imports showed a decrease of 17,853 gallons in quantity and an increase of Rs. 1,35,788 in value. The following statement shows the imports of wines during the last two years :—

| Wines. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Quantity. | Value. | Quantity. | Value. |
| | GALS. | RS. | GALS. | RS. |
| Champagne ... ... ... ... ... | 3,346 | 97,158 | 2,371 | 67,936 |
| Claret ... ... ... ... ... ... | 12,102 | 1,07,304 | 14,977 | 1,17,625 |
| Port ... ... ... ... ... ... | † 5,886 / 11,571 | † 57,574 / 99,268 | † 5,368 / 10,916 | † 44,690 / 92,768 |
| Sherry ... ... ... ... ... ... | 2,960 | 24,486 | 3,142 | 32,094 |
| Other sorts ... ... ... ... ... | 16,513 | 1,37,589 | 13,692 | 1,03,879 |
| Total ... | 52,378 | 5,23,379 | 50,466 | 4,58,992 |

† Particulars for wines are not separately recorded in the Coasting trade returns.

The imports declined by 1,912 gallons in quantity and Rs. 64,387 in value, there having been rather a larger import of claret and sherry and less of champagne, port and other wines. Of the total quantity, France supplied 33·20 per cent., Spain 17·27 per cent., United Kingdom 13·68 per cent., Italy 8·59 per cent., Portugal 8·04 per cent., Bombay 6·66 per cent. and Germany 3·40 per cent. The imports of ale, beer and porter were a good deal larger than in the preceding year. There was an increase of 60,077 gallons in quantity and Rs. 37,242 in value. The imports from the United Kingdom increased by 53,506 gallons in quantity and Rs. 38,854 in value. The United Kingdom supplied 92·04 per cent. of the total quantity, Bombay 3·71 per cent. and Germany 2·80 per cent.

Timber and wood.

The imports of the several kinds of timber and wood are compared below with those of 1897–98 :

| Articles. | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Teak ... ... ... ... ... ... ... ... | 19,84,602 | 15,35,653 |
| Other timber ... ... ... ... ... ... ... | 88,365 | 1,50,367 |
| Firewood ... ... ... ... ... ... ... ... | 13,694 | 9,594 |
| Ornamental woods including sandalwood ... ... ... | 41,212 | 73,014 |
| Manufactures ... ... ... ... ... ... ... | 6,39,570 | 4,79,640 |
| Total ... | 27,67,443 | 22,48,268 |

The value of the timber and wood imported was less by nearly $5\frac{1}{4}$ lakhs than in the previous year. The reason appears to be the increasing use of iron girders and beams for building purposes and probably also smaller demands for coach building purposes. The decrease occurred chiefly in the imports from Burma. Of the total imports Burma supplied 78·52 per cent., Bombay 8·81 per cent. and Ceylon 4·51 per cent.

Hardware and cutlery.

The imports for the last two years were—

| | Rs. |
|---|---|
| 1897–98 ... ... ... ... ... ... ... ... ... ... ... | 21,36,324 |
| 1898–99 ... ... ... ... ... ... ... ... ... ... ... | 19,33,950 |

Of the total imports, the United Kingdom supplied 66·90 per cent., Bombay 18·11 per cent. and Bengal 5·82 per cent.

Stationery including paper and paste-board.

The imports compared with those of 1897–98 were—

| | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Stationery ... ... ... ... ... ... ... | 5,41,334 | 5,32,314 |
| Paper and paste-board ... ... ... ... ... | 11,83,035 | 13,99,465 |
| Total ... | 17,24,369 | 19,31,779 |

The small decrease in the value of stationery was due to exchange. There was an increase of two lakhs in the value of paper and paste-board imported from Bengal, which perhaps indicates that paper from Calcutta, on account of its cheapness, is displacing paper manufactured elsewhere. Of the total imports, Bengal supplied 43·43 per cent. in value, the United Kingdom 37·79 per cent. and Bombay 10·52 per cent.

Drugs, medicines and narcotics.

The value of the imports for the last two years were—

| | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Drugs and medicines (excluding chemicals) ... | 12,67,557 | 11,31,219 |
| Opium ... ... ... ... ... ... ... | 35,526 | 22,988 |
| Tobacco—Unmanufactured ... ... ... ... | 3,95,841 | 3,30,260 |
| Manufactured ... ... ... ... | 2,81,951 | 3,45,373 |
| Total ... | 19,80,875 | 18,29,840 |

Out of the total of "drugs and medicines," 3¾ lakhs' worth of camphor was imported from the Straits Settlements, 2½ lakhs' worth was received from Bombay and over 3 lakhs' worth, chiefly of unenumerated kinds, from the United Kingdom. Of the tobacco leaf, 2½ lakhs' worth was imported from Sumatra.

Railway materials.

The imports of railway materials in the last two years are shown below :—

| | RS. |
|---|---|
| 1897-98 ... ... ... ... ... ... ... ... ... ... ... | 17,04,572 |
| 1898-99 ... ... ... ... ... ... ... ... ... ... ... | 16,60,141 |

The trade in this article fluctuates from year to year in accordance with the extent of the operations of railway companies. The imports in the year showed a decrease of only half a lakh in value. There was a large increase of 2½ lakhs in the chief port, due to large importations of railway engines and tenders for the Madras and South Indian Railways. There was an increase also in the Vizagapatam district due to importation of railway materials for the Parlákimedi tramway. These increases were, however, more than counterbalanced by the decrease of nearly 3½ lakhs in the Tanjore district, due to the completion of the Peralam-Karaikkal line. Of the total imports, 96·62 per cent. was supplied by the United Kingdom.

Provisions.

The values under this head in the last two years were—

| | RS. |
|---|---|
| 1897-98 ... ... ... ... ... ... ... ... ... ... ... | 16,34,308 |
| 1898-99 ... ... ... ... ... ... ... ... ... ... ... | 14,74,544 |

The decrease of about 1½ lakhs was chiefly of dates from Turkey in Asia. Of the total quantity, the United Kingdom supplied nearly 8¾ lakhs' worth.

Seeds.

The figures for the last two years were—

| | CWT. | RS. |
|---|---|---|
| 1897-98 ... ... ... ... ... ... ... ... ... | 117,160 | 12,74,236 |
| 1898-99 ... ... ... ... ... ... ... ... ... | 137,204 | 12,46,423 |

The increase in quantity was due partly to importations of tea seeds for certain tea plantations, but more to importations of other seeds into some of the southern districts owing to the destruction of crops by heavy rain. The appended statement shows the various kinds of seeds imported and the sources of supply :—

| —— | Bombay. | | Bengal. | | Other places. | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | CWT. | RS. | CWT. | RS. | CWT. | RS. | CWT. | RS. |
| Seeds, essential ... | 39,360 | 4,15,064 | 29,162 | 2,12,530 | 3,941 | 21,883 | 72,463 | 6,49,477 |
| „ rape ... ... | 25 | 165 | 8,705 | 50,026 | 29 | 146 | 8,759 | 50,337 |
| „ til ... ... | 20,082 | 1,51,468 | 4,920 | 30,813 | 719 | 5,219 | 25,721 | 1,87,500 |
| „ mustard ... ... | 398 | 2,640 | 6,517 | 39,211 | 288 | 1,927 | 7,203 | 43,778 |
| „ cotton ... ... | 921 | 2,642 | ... | ... | 2,108 | 2,765 | 3,029 | 5,407 |
| Other sorts ... ... | 3,579 | 28,318 | 5,866 | 93,336 | 6,691 | 1,09,899 | 16,136 | 2,31,553 |
| Foreign produce imported coastwise, particulars of which are not separately recorded ... | 3,892 | 78,351 | 1 | 20 | ... | ... | 3,893 | 78,371 |
| Total ... | 68,257 | 6,78,648 | 55,171 | 4,25,936 | 13,776 | 1,41,839 | 137,204 | 12,46,423 |

Gunny bags.

The imports of gunny bags for the last two years were—

| | NO. | RS. |
|---|---|---|
| 1897-98 ... ... ... ... ... ... ... ... | 13,576,483 | 24,16,216 |
| 1898-99 ... ... ... ... ... ... ... ... | 6,958,768 | 11,31,493 |

The number declined by 6,617,715 and the value by 12¾ lakhs. This decrease was due partly to smaller shipments from Bengal where the jute crop was not only insufficient but unsatisfactory and partly to the larger local supply available.

Other articles.

The trade in the more important of the "other articles," the countries from which they were principally imported, and the value of the articles imported from such countries are shown below :—

| Articles. | Total value. 1897-98. | Total value. 1898-99. | Countries from which imported. | Value of articles imported from the countries mentioned, 1898-99. |
|---|---|---|---|---|
| | LAKHS. | LAKHS. | | LAKHS. |
| Arms, ammunition and military stores. | 10½ | 11¾ | United Kingdom ... ... ... .. | 11½ |
| | | | Bombay .. ... .. | 3½ |
| Dyeing and tanning materials . | 6½ | 7¾ | Belgium . .. .. ... ... | 1¾ |
| | | | Germany .. ... ... ... ... | 1 |
| | | | United Kingdom ... ... . . | 2 |
| Glass and glassware ... ... .. | 7½ | 7½ | Belgium .. . ... ... .. | 1 |
| | | | Bombay ... ... ... ... ... | 1¾ |
| Chemicals ... ... ... . | 5¾ | 6¼ | United Kingdom ... ... ... | 4¾ |
| | | | Bengal ... ... ... ... ... | 1 |
| Woollen manufactures . ... | 6 | 6 | United Kingdom ... ... .. | 4½ |
| | | | Bombay ... .. ... ... .. | 1½ |
| | | | Ceylon ... ... ... ... .. | 2 |
| Hides and skins ... ... ... | 4¾ | 6 | Bengal ... ... ... ... ... | 2¼ |
| | | | Burma ... ... ... ... .. | 1 |
| | | | Ceylon ... ... ... ... ... | 2¾ |
| Other oils (except kerosine) ... ... | 7¼ | 5½ | Bombay ... ... ... ... ... | 1 |
| Carriages ... ... ... ... | 4¾ | 4½ | United Kingdom ... ... ... ... | 3¾ |
| Matches ... ... ... ... | 4¾ | 4½ | Norway ... ... ... ... ... | 1 |
| Sugar ... ... ... ... ... | 4 | 4¼ | Bombay ... ... ... .. .. | 2½ |
| Silk, raw ... ... ... ... | 6 | 4 | Bengal ... ... ... ... .. | 4 |

## *Private Treasure.*

The net imports on private account of gold and silver for the last ten years are compared in the following statement:—

| Years. | Gold. | | | Silver. | | | Total. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Imports. | Exports. | Net imports. | Imports. | Exports. | Net imports. | Imports. | Exports. | Net imports. |
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| 1889-90 ... | 13,63,011 | 1,03,241 | 12,59,770 | 19,67,473 | 8,36,499 | 11,30,974 | 33,30,484 | 9,39,740 | 23,90,741 |
| 1890-91 ... | 25,92,581 | 10,10,080 | 15,82,501 | 10,50,530 | 8,60,963 | 1,89,567 | 36,43,111 | 18,71,043 | 17,72,068 |
| 1891-92 ... | 14,89,505 | 1,41,248 | 13,48,257 | 15,86,578 | 13,43,461 | 2,43,117 | 30,76,083 | 14,84,709 | 15,91,374 |
| 1892-93 ... | 2,73,893 | 13,150 | 2,60,743 | 17,30,707 | 19,42,272 | — 2,11,565 | 20,04,600 | 19,55,422 | 49,178 |
| 1893-94 ... | 8,39,267 | 50,500 | 7,88,767 | 17,86,275 | 12,76,595 | 5,09,680 | 26,25,542 | 13,27,095 | 12,98,447 |
| 1894-95 ... | 4,28,367 | ... | 4,28,367 | 16,05,041 | 13,60,200 | 2,44,841 | 20,33,408 | 13,60,200 | — 6,73,208 |
| 1895-96 ... | 8,75,122 | 39,40,734 | —30,65,612 | 13,85,328 | 3,43,350 | 10,41,978 | 22,60,450 | 42,84,084 | 20,23,634 |
| 1896-97 .. | 7,11,935 | ... | 7,11,935 | 38,77,347 | 4,91,600 | 33,85,747 | 45,89,282 | 4,91,600 | 40,97,682 |
| 1897-98 ... | 8,45,246 | ... | 8,45,246 | 32,34,701 | 7,30,499 | 25,04,202 | 40,79,947 | 7,30,499 | 33,49,448 |
| 1898-99 ... | 5,75,800 | 10,250 | 5,65,550 | 14,65,016 | 25,09,400 | —10,44,384 | 20,40,816 | 25,19,650 | —4,78,834 |

Gold was exported in 1898-99 to the value of Rs. 10,250. There were no exports in the previous two years. The imports showed a decrease of Rs. 2,69,446 as compared with those of the previous year. The exports of silver exceeded the imports by Rs. 10,44,384. In the previous year the imports exceeded the exports by Rs. 25,04,202.

## *Government Stores.*

The exports and imports of Government stores to and from ports outside the Presidency are compared below with those of the previous year:—

| | Exports. | Imports. |
|---|---|---|
| | RS. | RS. |
| 1897-98 ... ... ... ... ... ... ... | 12,10,395 | 77,00,951 |
| 1898-99 ... ... ... ... ... ... ... | 9,53,701 | 28,41,752 |

Of the total imports, 17½ lakhs were from the United Kingdom, 6½ lakhs from Bengal, 2½ lakhs from Bombay and 1¾ lakhs from Burma. The large decrease

under imports occurred under railway plant and rolling-stock imported from the United Kingdom, the value in 1898–99 being 3¼ lakhs against 49½ lakhs in 1897–98, and was due to the completion of the East Coast Railway. Of the total exports, ¼ lakhs went to Burma, nearly 2½ lakhs to Bengal and 2 lakhs to Bombay.

*Government Treasure.*

The exports of silver on account of Government amounted to Rs. 43,645, the whole of which went to Bombay. There were no imports.

*Share taken by each Country in Total Exports and Imports.*

The subjoined statement shows the share taken by each country in the exports and imports of merchandise and treasure, both private and Government :—

| Countries. | Exports. | Imports. | Total. | Percentage of exports. | Percentage of imports. | Percentage of total. |
|---|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | | | |
| United Kingdom ... ... ... | 4,97,21,015 | 3,91,00,331 | 8,88,21,346 | 33·43 | 37·53 | 35·12 |
| Austria-Hungary ... ... ... | 19,50,498 | 3,19,538 | 22,70,036 | 1·31 | ·31 | ·90 |
| Belgium ... ... ... ... | 25,42,503 | 15,97,332 | 41,39,835 | 1·71 | 1·53 | 1·64 |
| France ... ... ... ... | 72,77,864 | 18,28,154 | 91,06,018 | 4·90 | 1·76 | 3·60 |
| Germany ... ... ... ... | 38,52,297 | 6,46,228 | 44,98,525 | 2·59 | ·62 | 1·78 |
| Italy ... ... ... ... | 11,05,735 | 1,08,309 | 12,14,044 | ·74 | ·10 | ·48 |
| Russia ... ... ... ... | 1,80,270 | 25,40,980 | 27,21,250 | ·12 | 2·45 | 1·08 |
| Spain ... ... .. ... | 17,783 | 65,153 | 82,936 | ·01 | ·06 | ·03 |
| Egypt ... ... ... ... | 32,54,425 | 4,36,270 | 36,90,695 | 2·19 | ·42 | 1·46 |
| Mauritius ... ... ... ... | 7,82,314 | 31,374 | 8,13,688 | ·53 | ·03 | ·32 |
| Bourbon ... ... ... ... | 46,095 | ... | 46,095 | ·03 | ... | ·02 |
| United States ... ... ... | 62,94,513 | 1,25,145 | 64,19,658 | 4·23 | ·12 | 2·54 |
| Aden ... ... ... ... | 79,601 | 360 | 79,961 | ·05 | ·00 | ·03 |
| Arabia . ... ... ... | 93,545 | 5,039 | 98,584 | ·06 | ·00 | ·04 |
| Ceylon ... ... ... ... | 1,83,60,284 | 48,07,239 | 2,31,67,523 | 12·34 | 4·61 | 9·16 |
| China ... ... ... ... ... | 27,65,467 | 53,123 | 28,18,590 | 1·86 | ·05 | 1·11 |
| Japan ... ... ... ... | 94,82,244 | 1,00,346 | 95,82,590 | 6·37 | ·10 | 3·78 |
| Java ... ... ... ... | 1,394 | 165 | 1,559 | ·00 | ·00 | ·00 |
| Persia ... ... ... .. | 1,00,285 | 37,523 | 1,37,808 | ·07 | ·04 | ·05 |
| Straits Settlements ... ... | 49,99,675 | 29,16,356 | 79,16,031 | 3·36 | 2·80 | 3·13 |
| Turkey in Asia ... ... .. | 6,92,026 | 39,349 | 7,31,375 | ·47 | ·04 | ·29 |
| New South Wales ... ... ... | 64,251 | 9,797 | 74,048 | ·04 | ·00 | ·03 |
| Victoria ... ... .. ... | 1,51,753 | 4,65,717 | 6,17,470 | ·10 | ·45 | ·24 |
| All other foreign countries ... | 5,45,222 | 10,12,943 | 15,58,165 | ·37 | ·97 | ·62 |
| Total of foreign countries ... | 11,43,61,059 | 5,62,46,771 | 17,06,07,830 | 76·88 | 53·99 | 67·45 |
| Bengal ... ... ... ... | 96,58,955 | 1,62,73,064 | 2,59,32,019 | 6·50 | 15·62 | 10·25 |
| Bombay ... ... ... ... | 1,06,95,252 | 2,02,58,923 | 3,09,54,175 | 7·19 | 19·45 | 12·24 |
| Sind ... ... ... ... | 2,13,540 | 3,06,087 | 5,19,627 | ·14 | ·29 | ·21 |
| Burma ... ... ... ... | 96,89,419 | 1,02,25,168 | 1,99,14,587 | 6·51 | 9·81 | 7·87 |
| Total of British Provinces in other Presidencies ... ... | 3,02,57,166 | 4,70,63,242 | 7,73,20,408 | 20·34 | 45·17 | 30·57 |
| Cochin ... ... ... ... | 16,57,303 | 21,992 | 16,79,295 | 1·11 | ·02 | ·66 |
| Cutch ... ... ... .. | 4,43,325 | 6,567 | 4,49,892 | ·30 | ·01 | ·18 |
| Kattywar ... ... ... ... | 9,31,597 | 1,36,076 | 10,67,673 | ·63 | ·13 | ·42 |
| Goa ... ... ... ... | 5,62,148 | 4,54,614 | 9,96,762 | ·38 | ·42 | ·39 |
| Pondicherry ... ... ... | 1,35,687 | 11,257 | 1,46,944 | ·09 | ·01 | ·06 |
| Travancore .. ... ... | 3,99,219 | 2,20,743 | 6,19,962 | ·27 | ·21 | ·25 |
| Other Indian ports not British ... | 5,153 | 45,795 | 50,948 | ·00 | ·04 | ·02 |
| Total of Indian ports not British ... ... ... | 41,34,432 | 8,77,044 | 50,11,476 | 2·78 | ·84 | 1·98 |
| Grand Total ... | 14,87,52,657 | 10,41,87,057 | 25,29,39,714 | 100 | 100 | 100 |

## *Internal Trade.*

The following statement shows the trade between the ports of this Presidency for the last two years:—

| Articles. | Exports. | | | | Imports. | | | |
|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | Rs. | | Rs. | | Rs. | | Rs. |
| Grain and pulse ... Cwt. | 1,323,583 | 50,89,217 | 1,181,527 | 38,85,158 | 1,134,047 | 46,15,211 | 1,146,914 | 39,92,856 |
| Cotton manufactures—Piece-goods ... Yds. | 5,490,384 | 9,39,546 | 5,148,191 | 8,76,432 | 5,050,603 | 9,17,178 | 5,339,517 | 9,09,497 |
| Twist and yarn ... lb. | 1,363,049 | 7,63,013 | 1,735,350 | 7,50,388 | 1,337,546 | 7,18,605 | 1,708,355 | 7,37,594 |
| Seeds ... ... Cwt. | 116,034 | 7,32,822 | 211,488 | 13,10,014 | 123,314 | 8,31,732 | 212,147 | 13,71,176 |
| Oils ... ... ... Gals. | 760,855 | 7,64,938 | 632,499 | 5,92,234 | 750,233 | 7,94,951 | 590,759 | 6,17,513 |
| Cwt. | 72 | | 2 | | 2 | | 983 | |
| Spices ... ... lb. | 5,458,349 | 7,58,556 | 5,376,537 | 9,52,187 | 5,457,638 | 7,66,432 | 5,243,957 | 9,68,607 |
| Provisions ... ... Val. | ... | 5,82,146 | ... | 3,80,261 | ... | 6,04,068 | ... | 3,92,774 |
| Metals ... ... Cwt. | 41,040 | 2,82,454 | 19,142 | 2,10,312 | 19,718 | 2,51,853 | 26,952 | 2,76,199 |
| Sugar ... ... ,, | 126,847 | 7,93,573 | 145,412 | 9,16,649 | 132,539 | 8,86,384 | 133,890 | 8,93,065 |
| Jute, raw and manufactured ... Val. | ... | 2,06,363 | ... | 2,07,894 | ... | 1,98,835 | ... | 2,14,521 |
| Tobacco ... ... lb. | 1,656,342 | 1,92,109 | 2,246,290 | 2,89,061 | 1,658,376 | 2,10,620 | 2,059,613 | 2,83,615 |
| Fruits and vegetables. Val. | ... | 3,88,401 | ... | 5,23,930 | ... | 5,72,249 | ... | 7,21,902 |
| Hides and skins ... Cwt. | 39,457 | 23,42,047 | 31,101 | 19,35,312 | 37,912 | 22,96,283 | 30,630 | 19,37,920 |
| Timber and other wood manufactures ... Val. | ... | 3,97,369 | ... | 3,52,674 | ... | 3,81,446 | ... | 3,64,374 |
| Dyeing and tanning materials ... ,, | ... | 4,04,404 | ... | 2,46,498 | ... | 3,44,570 | ... | 1,99,324 |
| Coffee ... ... Cwt. | 25,234 | 13,75,990 | 44,707 | 27,96,070 | 25,412 | 13,70,595 | 40,560 | 25,30,940 |
| Liquors—Spirits ... Gals. | 32,849 | 1,28,296 | 38,173 | 2,36,986 | 20,382 | 1,02,558 | 37,329 | 2,07,055 |
| Coir and rope ... Cwt. | 23,439 | 1,11,625 | 25,677 | 1,48,719 | 31,106 | 1,72,693 | 35,890 | 2,32,137 |
| Woollen manufactures. Val. | .. | 16,996 | ... | 12,237 | ... | 13,824 | ... | 12,578 |
| All other articles ,, | .. | 16,93,971 | ... | 15,14,965 | ... | 17,04,861 | ... | 15,31,861 |
| Total ... | ... | 1,79,63,838 | ... | 1,81,37,981 | ... | 1,77,54,948 | ... | 1,83,95,508 |
| Government Stores ... | ... | 3,44,555 | ... | 3,01,267 | ... | 9,01,337 | ... | 4,97,548 |

The movements of gold and silver on private and Government account between the ports within the Presidency are given below:— Treasure.

| | Gold. | | Silver. | |
|---|---|---|---|---|
| | Private. | Government. | Private. | Government. |
| | Rs. | Rs. | Rs. | Rs. |
| Exports ... ... ... ... | 22,000 | ... | 5,85,150 | 19,000 |
| Imports ... ... ... ... | 22,000 | ... | 5,95,200 | 10,500 |

*Total Sea-borne Trade.*

The share of each district in the total sea-borne trade, including Government transactions, is shown below :—

| Districts. | Trade with foreign countries. | | Trade with foreign ports in India. | | Trade with British ports in other Presidencies. | |
|---|---|---|---|---|---|---|
| | Merchandise. | Treasure. | Merchandise. | Treasure. | Merchandise. | Treasure. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Madras ... ... | 8,77,46,684 | 19,05,821 | 91,913 | ... | 2,11,08,778 | 2,400 |
| Ganjám ... ... | 7,66,006 | ... | 2,74,710 | ... | 9,28,366 | 2,250 |
| Vizagapatam ... | 36,67,636 | ... | 5,863 | ... | 27,41,516 | ... |
| Gódávari ... ... | 84,94,648 | 1,999 | 68,913 | ... | 61,25,364 | ... |
| Kistna ... ... | 6,37,693 | 25,000 | ... | 4,000 | 5,77,758 | ... |
| Nellore ... ... | ... | ... | ... | ... | ... | ... |
| South Arcot ... ... | 21,36,190 | 39,854 | 27,866 | ... | 26,58,276 | ... |
| Tanjore ... ... | 93,90,668 | 9,71,859 | 1,239 | ... | 37,37,606 | ... |
| Madura ... ... | 4,68,769 | 1,000 | 24,918 | ... | 4,31,882 | ... |
| Tinnevelly ... ... | 2,22,49,808 | 13,65,459 | 96,946 | ... | 46,11,645 | 18,400 |
| South Canara ... | 66,59,586 | ... | 14,72,258 | 43,570 | 39,88,572 | 1,22,438 |
| Malabar ... ... | 2,40,76,189 | 2,961 | 28,99,280 | ... | 3,01,68,057 | 97,100 |
| Total ... | 16,62,93,877 | 43,13,953 | 49,63,906 | 47,570 | 7,70,77,820 | 2,42,588 |

| Districts. | Trade between ports in the Presidency. | | Total. | | Grand total. | Percentage. |
|---|---|---|---|---|---|---|
| | Merchandise. | Treasure. | Merchandise. | Treasure. | | |
| | 8 | 9 | 10 | 11 | 12 | 13 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | |
| Madras ... ... | 48,75,360 | 4,32,000 | 11,38,22,735 | 23,40,221 | 11,61,62,956 | 39·85 |
| Ganjám ... ... | 12,06,211 | ... | 31,75,293 | 2,250 | 31,77,543 | 1·09 |
| Vizagapatam ... | 20,50,687 | 65,900 | 84,65,702 | 65,900 | 85,31,602 | 2·93 |
| Gódávari ... ... | 37,40,935 | 70,900 | 1,84,29,860 | 72,899 | 1,85,02,759 | 6·35 |
| Kistna ... ... | 11,72,375 | 49,000 | 23,87,826 | 78,000 | 24,65,826 | ·85 |
| Nellore ... ... | 32,563 | 3,000 | 32,563 | 3,000 | 35,563 | ·01 |
| South Arcot ... ... | 8,17,760 | 15,000 | 56,40,092 | 54,854 | 56,94,946 | 1·95 |
| Tanjore ... ... | 15,85,532 | 4,18,000 | 1,47,15,045 | 13,89,859 | 1,61,04,904 | 5·53 |
| Madura ... ... | 9,26,570 | 60,500 | 18,52,139 | 61,500 | 19,13,639 | ·66 |
| Tinnevelly ... ... | 22,22,881 | 35,200 | 2,91,81,280 | 14,19,059 | 3,06,00,339 | 10·49 |
| South Canara ... | 47,67,428 | 51,350 | 1,68,87,844 | 2,17,358 | 1,71,05,202 | 5·86 |
| Malabar ... ... | 1,39,34,002 | 53,000 | 7,10,77,528 | 1,53,061 | 7,12,30,589 | 24·43 |
| Total ... | 3,73,32,304 | 12,53,850 | 28,56,67,907 | 58,57,961 | 29,15,25,868 | 100 |

*Customs Revenue.*

Import duty.

Including the customs duty on salt, the gross collections during the year on imports amounted to Rs. 28,70,752 against Rs. 32,54,940—a decrease of Rupees 3,84,188 or 11·8 per cent. The chief decreases were Rs. 1,70,270 under cotton manufactures, Rs. 1,32,299 under spirits, and Rs. 74,356 under metals and the reasons for them have been explained above.

Refunds and drawbacks.

These amounted to Rs. 37,203 against Rs. 48,174 in the previous year, showing a decrease of Rs. 10,971. Deducting amounts refunded, the net collections of duty on imports amounted to Rs. 28,33,549 against Rs. 32,06,766 in 1897–98, showing a decrease of Rs. 3,73,217.

The gross and net collections on the exports of paddy and rice for the past five years are given below :— Export duty.

| Articles. | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. | Increase or decrease. |
|---|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Paddy ... ... ... ... | 1,20,528 | 1,24,398 | 1,17,162 | 74,063 | 1,01,816 | + 27,753 |
| Rice ... ... ... ... | 4,53,635 | 3,11,986 | 6,87,839 | 6,69,692 | 3,78,385 | - 2,91,307 |
| Gross collections ... ... ... | 5,74,163 | 4,36,384 | 8,05,001 | 7,43,755 | 4,80,201 | - 2,63,554 |
| Refunds ... ... ... ... | 2,720 | 1,354 | 3,067 | 2,972 | 2,613 | - 359 |
| Net collections ... ... ... | 5,71,443 | 4,35,030 | 8,01,934 | 7,40,783 | 4,77,588 | - 2,63,195 |

The amount of revenue realized under this head was Rs. 4,80,201 against Rs. 7,43,755 in 1897-98. This decrease of Rs. 2,63,554 or 35·43 per cent. was due to the smaller exportation of rice to Ceylon as already explained.

*Shipping.*

The total number and tonnage of the vessels which entered and cleared at the ports of the Madras Presidency from and to foreign countries during the last five years are given below :—

| Years. | Entered. | | Cleared. | | Total. | | Average tonnage per vessel. |
|---|---|---|---|---|---|---|---|
| | No. | Tons. | No. | Tons. | No. | Tons. | |
| 1894-95 ... ... | 2,830 | 954,075 | 2,918 | 901,378 | 5,748 | 1,855,453 | 323 |
| 1895-96 ... ... | 2,760 | 995,576 | 2,735 | 846,310 | 5,495 | 1,841,886 | 335 |
| 1896-97 ... ... | 2,884 | 1,017,536 | 2,970 | 947,834 | 5,854 | 1,965,370 | 336 |
| 1897-98 ... ... | 2,713 | 1,021,089 | 2,703 | 834,655 | 5,416 | 1,855,744 | 343 |
| 1898-99 ... ... | 2,388 | 966,776 | 2,310 | 811,692 | 4,698 | 1,778,468 | 378 |

The number and tonnage of the steamers included in the above figures are as follows :—

| Years. | Entered. | | Average tonnage per steamer. | Cleared. | | Average tonnage per steamer. |
|---|---|---|---|---|---|---|
| | No. | Tons. | | No. | Tons. | |
| 1894-95 ... ... ... | 780 | 760,557 | 975 | 775 | 705,970 | 911 |
| 1895-96 ... ... ... | 780 | 804,699 | 1,031 | 733 | 657,323 | 896 |
| 1896-97 ... ... ... | 804 | 824,354 | 1,025 | 787 | 752,945 | 957 |
| 1897-98 ... ... ... | 812 | 835,701 | 1,029 | 756 | 643,583 | 851 |
| 1898-99 ... ... ... | 839 | 820,223 | 978 | 779 | 663,251 | 851 |

NOTE.—The steamers of the Peninsular and Oriental Steam Navigation Company ceased to call at Madras from 1st January 1898.

The nationalities of the steamers and sailing vessels that called at ports in the Presidency in 1897-98 and 1898-99 were as follows :—

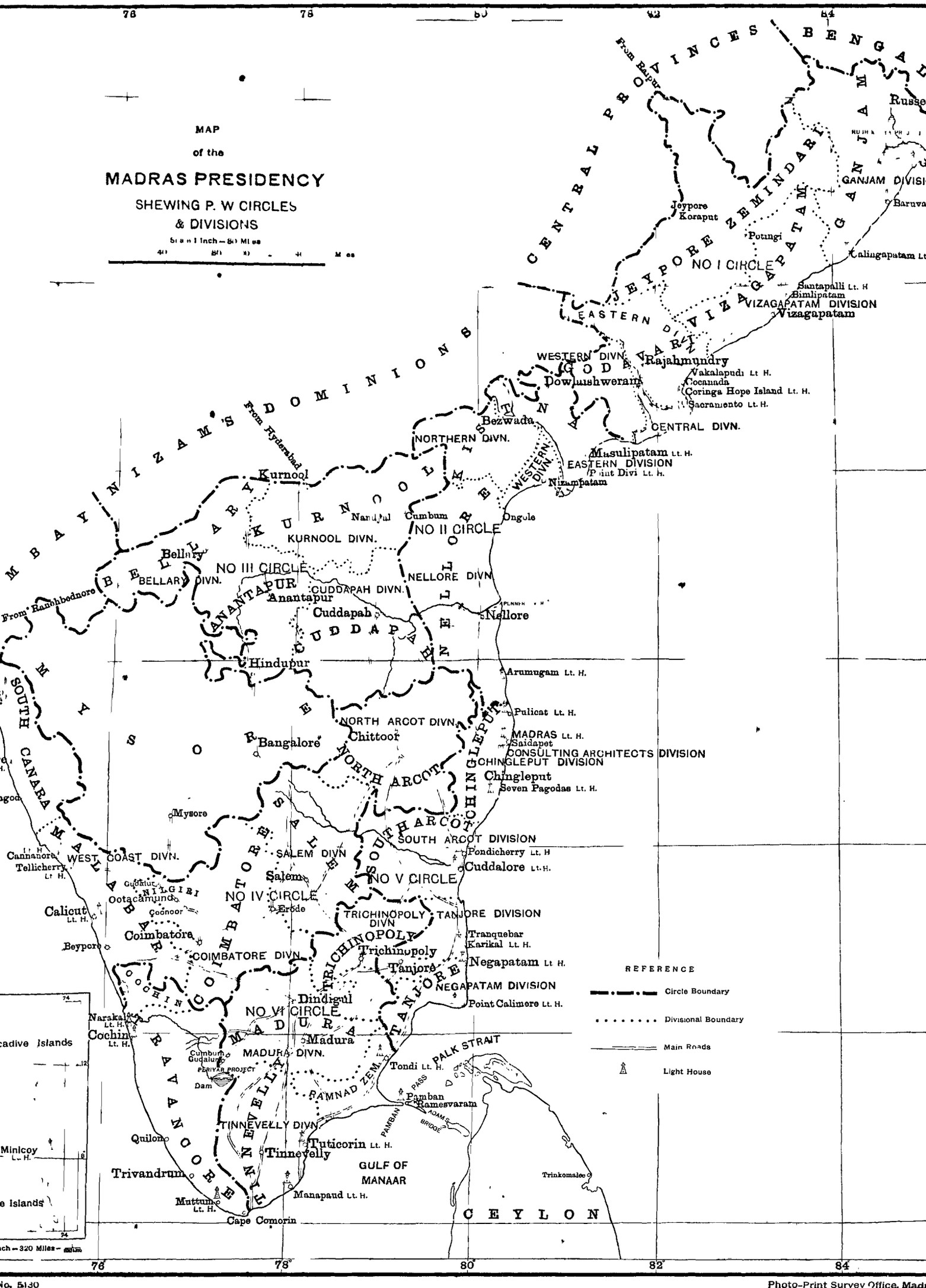
| | 1897-98. | | | | 1898-99. | | | |
|---|---|---|---|---|---|---|---|---|
| | Steamers. | | Sailing vessels. | | Steamers. | | Sailing vessels. | |
| | Number entered and cleared. | Tons. | Number entered and cleared. | Tons. | Number entered and cleared. | Tons. | Number entered and cleared. | Tons. |
| British ... ... ... | 1,457 | 1,323,679 | 5 | 5,416 | 1,536 | 1,323,248 | 13 | 5,854 |
| British Indian ... ... | ... | ... | 1,845 | 277,035 | ... | ... | 1,533 | 215,681 |
| Foreign ... ... ... | 111 | 155,605 | 59 | 7,468 | 82 | 160,226 | 38 | 4,458 |
| Native craft ... ... | ... | ... | 1,939 | 86,541 | ... | ... | 1,496 | 69,001 |
| Total ... | 1,568 | 1,479,284 | 3,848 | 376,460 | 1,618 | 1,483,474 | 3,080 | 294,994 |

The movements of shipping to and from each foreign country are shown below :—

| Countries. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Number entered and cleared. | Tons. | Number entered and cleared. | Tons. |
| United Kingdom | 178 | 407,568 | 133 | 309,335 |
| Austria-Hungary | 1 | 1,286 | 1 | 1,173 |
| Belgium | 3 | 5,715 | 1 | 2,314 |
| France | 9 | 19,510 | 6 | 14,240 |
| Germany | 26 | 56,064 | 27 | 70,728 |
| Russia | 12 | 29,405 | 14 | 30,669 |
| Cape Colony | ... | ... | 2 | 3,276 |
| East Coast of Africa—Zanzibar | 2 | 4,398 | ... | ... |
| Other Ports | 1 | 1,952 | 17 | 7,611 |
| Egypt | 1 | 1,556 | 3 | 1,524 |
| Mauritius | 6 | 9,299 | 13 | 12,852 |
| Natal | 13 | 15,967 | 11 | 12,864 |
| United States | 5 | 13,025 | 9 | 18,508 |
| Aden | 2 | 233 | 1 | 2,517 |
| Arabia | 17 | 2,053 | 7 | 1,984 |
| Ceylon | 4,927 | 1,010,373 | 4,283 | 1,021,851 |
| Maldives | ... | ... | 2 | 164 |
| Mekran and Sonmiani | 30 | 1,528 | 18 | 1,104 |
| Persia | 6 | 580 | 10 | 966 |
| Straits Settlements | 144 | 253,210 | 122 | 245,599 |
| Turkey in Asia | 23 | 2,689 | 8 | 902 |
| Borneo | ... | ... | 1 | 1,046 |
| Sumatra | 2 | 1,536 | 3 | 3,710 |
| Java | 1 | 2,421 | ... | ... |
| Australia | 7 | 15,386 | 6 | 13,531 |
| Total | 5,416 | 1,855,744 | 4,698 | 1,778,468 |

The number and tonnage of vessels engaged in the coasting trade with British ports in other Presidencies and foreign ports in India are given below :—

| Years. | Entered. | | Cleared. | |
|---|---|---|---|---|
| | NO. | TONS. | NO. | TONS. |
| 1894-95 | 5,497 | 1,348,179 | 5,826 | 1,827,601 |
| 1895-96 | 5,495 | 1,249,814 | 5,956 | 1,761,136 |
| 1896-97 | 4,892 | 1,226,725 | 5,283 | 1,555,409 |
| 1897-98 | 4,705 | 1,254,479 | 5,084 | 1,631,346 |
| 1898-99 | 4,585 | 1,342,637 | 4,790 | 1,718,452 |

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1899

The number and tonnage of vessels engaged in the internal trade are given below :—

| Years. | Entered | | | | Cleared. | | | |
|---|---|---|---|---|---|---|---|---|
| | With cargoes. | | In ballast. | | With cargoes. | | In ballast. | |
| | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. |
| 1896–97 ... | 12,465 | 4,604,837 | 5,540 | 251,804 | 11,628 | 4,189,875 | 5,971 | 385,634 |
| 1897–98 .. ... | 11,539 | 3,899,768 | 4,555 | 187,255 | 10,724 | 3,580,768 | 5,560 | 324,952 |
| 1898–99 ... | 11,345 | 4,400,36 | 4,815 | 185,673 | 11,006 | 4,085,612 | 5,180 | 327,684 |

Twelve vessels of 231 tons aggregate burthen were built, all on the West Coast, and thirteen vessels of 254 tons aggregate burthen were registered during the year under Act X of 1841, twelve at Mangalore and the remaining one at the Chief Port.

## PUBLIC WORKS—GENERAL. (1898–99.)

Statements 59 and 60 in the Appendix show the expenditure on, and income derived from, Productive Public Works.

The following statement shows the outlay on works under each fund distributed by divisions, and the total outlay under establishment under each division in the Presidency during the year :—

| Circle. | Division. | Imperial. | | | | | | Civil department. | | Provincial. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Military. | | Barracks. | | Civil. | | Court of Wards. | | Civil. | |
| | | Works. | Repairs. | Works. | Repairs. | Works. | Repairs. | Works. | Repairs. | Works. | Repairs. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| I Circle. | Ganjám ... ... | 788 | 999 | .. | ... | 196 | 908 | 258 | 573 | 41,143 | 9,771 |
| | Vizagapatam ... | 951 | 2,393 | ... | ... | 490 | 1,040 | 1,152 | 3,740 | 74,305 | 35,963 |
| | Gódá-vari Central. | ... | ... | ... | ... | ... | 177 | ... | ... | 3,624 | 178 |
| | Gódá-vari Eastern. | ... | 957 | ... | ... | 200 | 983 | ... | ... | 24,837 | 12,595 |
| | Gódá-vari Western. | ... | ... | ... | ... | 1,628 | 8 | ... | ... | 26,460 | 1,347 |
| II Circle. | Kistna Eastern. | ... | 360 | ... | ... | ... | 372 | ... | ... | 23,211 | 5,412 |
| | Kistna Northern. | ... | ... | ... | ... | 101 | 225 | ... | ... | 15,082 | 7,632 |
| | Kistna Western. | ... | ... | ... | ... | 1,098 | 50 | ... | ... | 14,343 | 978 |
| | Nellore ... ... | ... | 80 | ... | ... | 460 | 219 | ... | ... | 12,651 | 4,927 |
| III Circle. | Bellary ... ... | ... | ... | ... | ... | – 25 | 487 | ... | ... | 32,334 | 10,482 |
| | Cuddapah ... | ... | ... | ... | ... | ... | 288 | ... | ... | 15,902 | 12,339 |
| | Kurnool ... ... | ... | ... | ... | ... | 150 | 200 | ... | ... | 30,574 | 3,682 |
| IV Circle. | Coimbatore ... | 296 | 8,497 | 6 | ... | 1,019 | 1,405 | ... | 3,586 | 2,10,126 | 79,964 |
| | North Arcot ... | 103 | 2,043 | ... | ... | ... | 274 | ... | ... | 21,937 | 9,490 |
| | Salem ... ... | ... | 197 | ... | ... | 153 | 789 | ... | ... | 24,934 | 8,469 |
| | West Coast ... | 2,596 | 27,533 | 939 | 434 | 1,036 | 1,075 | ... | ... | 1,58,010 | 25,323 |
| V Circle. | Chingleput ... | ... | ... | ... | ... | ... | 34 | ... | ... | 18,754 | 17,585 |
| | Negapatam ... | 200 | 569 | ... | ... | 206 | 769 | ... | .. | 3,282 | 7,565 |
| | Public Works Stores ... ... | ... | ... | ... | ... | ... | ... | ... | ... | 18,212 | 819 |
| | Public Works Workshops ... | ... | ... | ... | ... | ... | ... | ... | ... | 5,565 | 1,578 |
| | South Arcot ... | 50 | 13 | ... | ... | ... | 252 | ... | ... | 14,576 | 8,645 |
| | Tanjore ... ... | ... | ... | ... | ... | ... | 488 | ... | ... | 52,278 | 3,450 |
| VI Circle. | Madura ... ... | ... | 240 | ... | ... | 2,207 | 2,074 | ... | ... | 37,973 | 7,580 |
| | Tinnevelly ... | ... | ... | ... | ... | ... | 1,017 | ... | ... | 15,195 | 6,513 |
| | Trichinopoly ... | – 51 | 6,326 | ... | 11 | 2,354 | 771 | ... | ... | 21,875 | 8,946 |
| Special ... | Consulting Architect ... .. | ... | ... | ... | ... | 33,340 | 2,057 | ... | ... | 2,31,836 | 1,02,079 |
| | Examiner's division ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| | Light-house ... | ... | ... | ... | ... | ... | ... | ... | ... | 50 | ... |
| | Special Superintending Engineer, Tanjore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | 4,933 | 50,207 | 945 | 445 | 44,613 | 15,962 | 1,410 | 7,899 | 11,49,069 | 3,93,312 |

| Circle—*cont.* | Division—*cont.* | Local civil works. Incorporated. Works. | Local civil works. Incorporated. Repairs. | Local civil works. Excluded. Works. | Local civil works. Excluded. Repairs. | Irrigation. Works. | Irrigation. Repairs. | Total works and repairs. | Establishment. | Grand total. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| I Circle. | Ganjám ... .. | | 299 | 6,500 | 263 | 99,819 | 61,310 | 2,22,827 | 66,371 | 2,89,198 |
| | Vizagapatam ... | .. | ... | 22,455 | ... | 17,899 | 24,365 | 1,84,753 | 1,01,757 | 2,86,510 |
| | Gódá-vari Central. | .. | .. | .. | 167 | 22,591 | 1,18,444 | 1,45,181 | 36,973 | 1,82,154 |
| | Gódá-vari Eastern. | ... | 1,978 | 9,401 | 53 | 52,238 | 1,74,492 | 2,77,734 | 76,510 | 3,54,244 |
| | Gódá-vari Western. | ... | ... | ... | .. | 32,526 | 1,07,295 | 1,69,264 | 52,569 | 2,21,833 |
| II Circle. | Kistna Eastern | ... | 1,254 | 106 | .. | 83,005 | 1,87,446 | 3,01,166 | 1,23,443 | 4,24,609 |
| | Kistna Northern. | ... | ... | ... | ... | 67,056 | 13,591 | 1,03,687 | 48,946 | 1,52,633 |
| | Kistna Western. | ... | 966 | . | . | 1,58,734 | 1,00,213 | 2,76,382 | 70,864 | 3,47,246 |
| | Nellore ... ... | 587 | 587 | ... | .. | 32,554 | 66,549 | 1,18,614 | 93,839 | 2,12,453 |
| III Circle. | Bellary ... | ... | ... | ... | ... | 36,768 | 52,942 | 1,32,988 | 1,09,174 | 2,42,162 |
| | Cuddapah ... | ... | ... | ... | ... | 28,872 | 38,339 | 95,740 | 63,970 | 1,59,710 |
| | Kurnool ... ... | ... | ... | ... | .. | 27,148 | 83,277 | 1,45,031 | 88,776 | 2,33,807 |
| IV Circle. | Coimbatore ... | ... | 363 | . | . | 36,876 | 42,699 | 3,84,837 | 1,43,186 | 5,28,023 |
| | North Arcot ... | ... | ... | ... | ... | 23,601 | 93,273 | 1,50,721 | 79,107 | 2,29,828 |
| | Salem ... ... | ... | ... | ... | ... | 5,679 | 39,504 | 79,725 | 45,909 | 1,25,634 |
| | West Coast .. | ... | ... | 15,431 | 8,590 | ... | 3,331 | 2,41,298 | 55,136 | 2,99,434 |
| V Circle. | Chingleput ... | ... | ... | ... | 90 | 21,254 | 2,05,894 | 2,66,611 | 95,160 | 3,61,771 |
| | Negapatam ... | 1,941 | 6,777 | 8,278 | 1,017 | 8,386 | 45,349 | 84,339 | 40,770 | 1,25,109 |
| | Public Works Stores ... ... | ... | ... | ... | ... | ... | ... | 19,031 | 16,883 | 35,914 |
| | Public Works Workshops ... | ... | ... | 14,855 | ... | ... | ... | 21,998 | 17,202 | 39,200 |
| | South Arcot ... | ... | 4,419 | ... | 14 | 1,24,749 | 1,42,804 | 2,95,522 | 76,020 | 3,71,542 |
| | Tanjore ... ... | ... | 7,454 | ... | ... | 1,87,147 | 1,20,396 | 3,71,213 | 63,949 | 4,35,162 |
| VI Circle. | Madura ... ... | .. | ... | 123 | ... | 1,28,335 | 1,37,926 | 3,16,458 | 93,378 | 4,09,836 |
| | Tinnevelly ... | ... | ... | 2,292 | 1,955 | 24,893 | 1,24,837 | 1,76,702 | 57,196 | 2,33,898 |
| | Trichinopoly ... | ... | 1,142 | ... | ... | 27,884 | 86,040 | 1,55,298 | 63,002 | 2,18,300 |
| Special ... | Consulting Architect ... ... | ... | ... | 2,658 | 1,019 | ... | ... | 3,72,989 | 62,745 | 4,35,734 |
| | Examiner's division ... ... | ... | ... | ... | ... | ... | ... | ... | 3,55,385 | 3,55,385 |
| | Light-house ... | ... | ... | 1,02,214 | 369 | ... | ... | 1,02,633 | 37,397 | 1,40,030 |
| | Special Superintending Engineer, Tanjore ... ... | ... | ... | ... | ... | ... | ... | ... | 79,826 | 79,826 |
| | Total ... | 2,528 | 25,239 | 1,84,313 | 13,537 | 12,51,014 | 20,70,316 | 52,15,742 | 23,15,443 | 75,31,185 |

## PUBLIC WORKS—BUILDINGS AND ROADS. (1898–99.)

Administration.

Mr. W. B. deWinton was confirmed on 16th April 1898 in the appointments of Secretary to Government and Chief Engineer, Public Works Department, and continued to hold the appointments of Secretary to Government, Marine Department, and President, Sanitary Board, until 3rd February 1899, when he went on three months' privilege leave. Colonel A. W. Smart, R.E., officiated during this period. Mr. W. Hughes retained the position of Chief Engineer for Irrigation and Joint Secretary to Government, Irrigation Branch, with the substantive rank, from 16th April 1898, of Chief Engineer, First Class, except for the period from 12th July 1898 to 11th October 1898, inclusive, when he went on privilege leave. Mr. J. C. Larminie officiated during this period with the temporary rank of Chief Engineer, Third Class, and the appointment of Joint Secretary to Government in the Railway Branch was held throughout the year by Mr. F. J. E. Spring, C.I.E.

Circle charges.

Mr. W. C. DeMorgan, Executive Engineer, First Grade, continued in charge of the I Circle throughout the year, and with the rank of Officiating Superintending Engineer, Third Class, from 4th to 8th May and from 11th August to 11th October 1898. Mr. J. Hannan, Superintending Engineer, First Class, retained charge of the II Circle during the year, except for the period of his absence on privilege leave from 31st July to 7th October 1898, when Mr. W. C. Lewis, Executive Engineer, First Grade, officiated. Mr. J. C. Larminie, Superintending Engineer, First Class,

continued to be in charge of the III Circle till 8th May 1898 when he proceeded on leave, and was succeeded by Lieutenant-Colonel W. L. C. Baddeley, R.E., Superintending Engineer, Third Class, who remained in charge for the rest of the year. Mr. A. H. Garrett, Superintending Engineer, Third Class, temporary rank, retained charge of the IV Circle during the whole year. Colonel C. G. Rawson, R.E., continued to be in charge of the V Circle, except during the period of his absence on special leave from 7th May to 6th November 1898, when Colonel A. W. Smart, R.E., held charge of the Circle, in addition to his own duties as Superintending Engineer on special duty, Cauvery Completion Estimates. Lieutenant-Colonel O. V. Boddy, R.E., retained charge of the VI Circle throughout the year. Mr. G. S. T. Harris, Superintending Engineer, Third Class, continued to hold the office of Consulting Architect to Government during the year.

Lighthouse division.

Mr. F. W. Ashpitel, Executive Engineer, Second Grade, and Superintendent of Works, held charge of the division throughout the year.

Casualties and retirements.

M.R.Ry. S. A. Jagadisa Aiyar Avargal, Assistant Engineer, Third Grade, died on the 24th March 1899. Colonel D. McNeil Campbell, R.E., Chief Engineer, Fist Class, and Mr. G. P. Carless, Executive Engineer, First Grade, retired from the service during the year.

Grants and expenditure.

The following statement shows the grants and expenditure under the several finance heads :—

| Funds and financial heads. | Original grant. | Revised estimate. | Actual expenditure. |
|---|---|---|---|
| | RS. | RS. | RS. |
| Imperial Military works ... ... ... ... | 70,800 | 78,000 | 69,926 |
| Imperial Civil works ... ... ... ... | 92,000 | 78,000 | 75,262 |
| Provincial Civil works ... ... ... ... | 25,00,000 | 24,00,000 | 25,34,628 |
| Local Incorporated funds ... ... ... | 42,000 | 46,000 | 37,750 |
| Local Excluded funds ... ... ... ... | 4,87,928 | 2,61,500 | 2,49,108 |
| Estate works ... ... ... ... ... | 3,629 | 8,721 | 11,450 |
| Total ... | 31,96,357 | 28,72,221 | 29,78,124 |

Service heads.

Out of a total expenditure of Rs. 29,78,124, a sum of Rs. 25,34,628—by far the largest share of the outlay—was from Provincial Funds. The distribution of expenditure under "departmental heads" is given in the following statement :—

| Service heads. | Original Works. | | Repairs. | | Total. | |
|---|---|---|---|---|---|---|
| | Grant. | Outlay. | Grant. | Outlay. | Grant. | Outlay. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| IMPERIAL. | RS. | RS. | RS. | RS. | RS. | RS. |
| 44. *Military Works.* | | | | | | |
| Works ... ... ... ... ... ... | 8,710 | 4,932 | 51,497 | 50,208 | 60,207 | 55,140 |
| Establishment ... ... ... ... ... | ... | ... | ... | ... | 13,884 | 11,196 |
| Tools and plant ... ... ... ... ... | ... | ... | ... | ... | 951 | 693 |
| Barrack Department— | | | | | | |
| New supplies ... ... ... ... ... | ... | ... | ... | ... | 1,000 | 945 |
| Repairs ... ... ... ... ... ... | ... | ... | ... | ... | 800 | 445 |
| Establishment ... ... ... ... ... | ... | ... | ... | ... | 1,680 | 1,507 |
| Total, Military Works ... | ... | ... | ... | ... | 78,522 | 69,926 |
| 45. *Civil Works.* | | | | | | |
| Works { Civil buildings ... ... ... ... | 46,455 | 44,613 | 16,483 | 15,962 | 62,938 | 60,575 |
| Works { Communications ... ... ... ... | ... | ... | ... | ... | ... | ... |
| Works { Miscellaneous public improvements ... | ... | ... | ... | ... | ... | ... |
| Establishment ... ... ... ... ... | ... | ... | ... | ... | 14,457 | 13,788 |
| Tools and plant ... ... ... ... ... | ... | ... | ... | ... | 838 | 899 |
| Suspense accounts ... ... ... ... ... | ... | ... | ... | ... | ... | ... |
| Expenditure in England ... ... ... ... | ... | ... | ... | ... | ... | ... |
| Exchange ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... |
| Total, Civil Works ... | ... | ... | ... | ... | 78,233 | 75,262 |
| Total, Imperial ... | ... | ... | ... | ... | 1,56,755 | 1,45,188 |

| Service heads. | Original Works. | | Repairs. | | Total. | |
|---|---|---|---|---|---|---|
| | Grant. | Outlay. | Grant. | Outlay. | Grant. | Outlay. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| PROVINCIAL. | RS. | RS. | RS. | RS. | RS. | RS. |
| 45. *Civil Works.* | | | | | | |
| Civil buildings | 9,18,890 | 8,86,384 | 2,62,057 | 2,63,054 | 11,80,947 | 11,49,438 |
| Communications | 2,04,050 | 2,03,004 | 1,14,850 | 1,12,154 | 3,18,900 | 3,15,158 |
| Miscellaneous public improvements | 59,778 | 59,681 | 18,675 | 18,104 | 78,453 | 77,785 |
| Establishment | ... | ... | ... | ... | 7,19,729 | 8,12,715 |
| Tools and plant | ... | ... | ... | ... | 1,59,899 | 1,44,100 |
| Suspense accounts | ... | ... | ... | .. | — 57,601 | 35,432 |
| Total, Provincial Civil Works | ... | ... | ... | ... | 24,00,327 | 25,34,628 |
| LOCAL FUNDS. | | | | | | |
| Incorporated local funds | ... | ... | ... | ... | 43,692 | 37,750 |
| Excluded local funds | ... | ... | ... | ... | 2,61,500 | 2,49,108 |
| Estate works | ... | ... | ... | ... | 8,721 | 11,450 |
| CONTRIBUTIONS. | | | | | | |
| 44. Military works — Imperial | ... | ... | ... | ... | ... | 4,811 |
| 45. Civil works — Imperial | ... | ... | ... | ... | ... | ... |
| 45. Civil works — Incorporated Local | ... | ... | ... | ... | ... | 318 |
| 45. Civil works — Provincial | ... | ... | ... | ... | ... | 2,80,780 |
| Total, Contributions | ... | .. | ... | ... | ... | 2,85,909 |
| Grand Total | ... | ... | ... | ... | 28,70,995 | 32,64,033 |

NOTE.—The figures entered in column 6 represent final grants.

Revenue receipts.

The revenue collected by the agency of the Public Works Department was as follows :—

| Sub-heads. | XXXI. Military Works. | XXXII. Civil Works, Provincial. | XXXII. Civil Works, Incorporated Local. | Total. |
|---|---|---|---|---|
| | RS. | RS. | RS. | RS. |
| Rents of buildings | 3,597 | 73,243 | ... | 76,840 |
| Sales of buildings | ... | 4,631 | ... | 4,631 |
| Sales of barrack furniture | ... | ... | ... | ... |
| Sales of tools and plant | ... | 45,718 | ... | 45,718 |
| Sales of produce | 44 | 1,819 | 6,515 | 8,378 |
| Sales of old materials | 12 | 3,236 | ... | 3,248 |
| Value of materials received from old buildings | ... | 108 | ... | 108 |
| Receipts from self-supporting workshops and net profits. | ... | 5,041 | ... | 5,041 |
| Unclaimed deposits | ... | 1,494 | ... | 1,494 |
| Fines, refunded and miscellaneous | 1 | 34,086 | 139 | 34,226 |
| Realized in Public Works Department | 3,654 | 1,69,376 | 6,654 | 1,79,684 |
| Realized in Civil Department | ... | ... | ... | ... |
| Total | 3,654 | 1,69,376 | 6,654 | 1,79,684 |

IMPERIAL—MILITARY WORKS.

The following were the most important of the works in progress :—The remodelling of the present married quarters with out-houses at West Hill, Calicut, was started in January 1899. Half of the block of quarters was vacated early in February, the roof of this portion (five quarters) was dismantled and the walls raised. The expenditure during the year was Rs. 2,986. An armoury, magazine, office-room and quarters for the Sergeant-Instructor of the South Indian Railway Volunteer Corps at Pákala estimated at Rs. 8,250 was commenced and the lower storey nearly finished with an outlay of Rs. 3,800, the amount of contribution. Rupees 250 and Rs. 583 were spent on petty improvements and repairs, respectively, on the Sergeant-Instructor's quarters at Cuddalore and Negapatam.

IMPERIAL—CIVIL WORKS.

A sum of Rs. 900 was spent in repairing Post offices in the III Circle against a grant of Rs. 975. A combined post and telegraph office at Kodaikánal, estimated

at Rs. 5,450, was commenced. The runners' huts were nearly completed. The site was levelled, and the superstructure of the main building was in progress. The outlay during the year was Rs. 1,646. A fourth-class Post office with Postmasters' quarters at Perambalúr, Trichinopoly division, estimated at Rs. 2,490, was in progress. The Observatory building at Kodaikánal was started in March 1898, but work in the main building was stopped in June 1898, pending approval of the plan by the Astronomer Royal. Orders were issued in November to complete the work in accordance with the original design, and the work was practically completed by March 1899. The residence for the Astronomer and quarters for the establishment were also completed during the year.

PROVINCIAL —CIVIL BUILDINGS— Forest.

The revised estimate for converting the old Jail Hospital at Chittoor into a District Forest office amounting to Rs. 2,800, was worked out, except some pointing.

Customs.

An estimate of Rs. 20,499 for the construction of a new Sea Customs office at Vizagapatam was sanctioned in March 1897, but funds were allotted only in the year under report. Rupees 8,076 were spent during the year and the masonry was brought up nearly to basement level. It was found necessary to considerably alter the arrangements of foundations and to afford additional protection to the sea face. A revised estimate was under preparation. Rs. 9,877 was spent on the construction of a corrugated iron warehouse at Mangalore up to the end of the year. Rs. 5,784 was spent on reconstructing the burnt portion of the Sea Customs godown at Calicut during the year; but some of the materials required for the work were not received during the year. The construction of a customs godown at Negapatam was resumed and completed, and the building handed over during the year. The construction of the Public Warehouse at Madras was started in June 1894, and after some considerable progress, was ordered to be stopped. It was resumed in February 1898 and completed during the year under report. A shed with corrugated iron roof was erected at the Custom house, Madras, for the use of the Appraiser's department at an outlay of Rs. 3,318.

Land Revenue buildings.

*I Circle.*—A first-class taluk office at Palkonda was nearly completed, the total outlay being Rs. 31,581 against the estimate of Rs. 32,470. A first-class taluk office at Narsapatam was completed and handed over to the Revenue Department. The total outlay on the work was Rs. 42,593 against an estimate of Rs. 42,600. A Deputy Tahsildar's office at Gunupur was commenced during the year; all the masonry of the main building and of the out-houses was finished, the outlay during the year being Rs. 4,719. The renewal of the roof of the taluk office at Pottinghi was commenced during the year and nearly completed, the outlay being Rs. 3,775. The site for a Deputy Collector's office at Ellore was not decided on until the end of November 1898, when work was put in hand. The foundations were put in, the superstructure started and materials fully collected. The total expenditure on the work was Rs. 15,279. Some improvements were made to the taluk office at Narsapur. A Stationary Sub-Magistrate's office at Tanuku estimated at Rs. 10,730 was started in December. More than half the masonry work was completed. A Deputy Tahsildar's office at Kottapeta was completed during the year and handed over to the Revenue Department. The outlay incurred was Rs. 19,981 against the estimated amount of Rs. 21,700. A Stationary Sub-Magistrate's office at Rajahmundry was commenced in January 1899. The concrete foundations were laid and building stone for masonry collected. The construction of a treasury room attached to the Collector's office at Chatrapur was taken in hand in April 1898, but owing to want of funds the work was stopped. It was subsequently resumed, the outlay incurred being Rs. 1,534.

*II Circle.*—A first-class taluk office at Guntúr was completed at a total outlay of Rs. 43,745 against an estimate of Rs. 43,500. It was occupied by the offices moved out of the Jail buildings and will be made available for the taluk establishment when other suitable accommodation has been provided for these offices. A first-class taluk office at Vinukonda was completed during the year at a total outlay of Rs. 40,278 against an estimate of Rs. 39,440. It was handed over to the Revenue Department in May 1898. A Deputy Tahsildar's office at Macherla estimated at Rs. 26,000 was commenced during the year. The walls of the main

building were raised to level of springing of arches for doors and windows, with the exception of front of cells. Work on ryots' shed and on latrine was also in progress. Rs. 9,356 was spent during the year on the construction of a first-class taluk office at Gudiváda, the outlay to date being Rs. 52,227 against an estimate of Rs. 56,200. The short outlay was due to savings on the estimate and to the non-completion of the ryots' shed. A stationary Sub-Magistrate's office without Jail wards at Arundelpet, Bezwada, an incomplete work of the previous year, was completed and handed over, the total outlay being Rs. 10,385 against the sanctioned estimate of Rs. 11,780. A Deputy Tahsildar's office without out-houses at Avanigedda, an incomplete work of last year, was completed and handed over, the total outlay being Rs. 23,724 against the sanctioned estimate of Rs. 26,840. Expenditure was also incurred on the construction of ryots' sheds in the compounds of the Deputy Tahsildar's office at Avanigedda and of the taluk offices at Masulipatam and Gannavaram. The main building of a first-class taluk office at Bápatla estimated at Rs. 46,100 was finished; culvert and road work were in progress; well work almost completed. The expenditure on the work to date was Rs. 44,418. A special feature in the construction of this building was the success which had attended the manufacture of table moulded bricks for the work, no natural soil being available and the stone quarries being 30 miles away. The composition of brick earth under these circumstances was made by mixing pure clay, fine sand and a local soil called "pati mannu." A considerable degree of success has attended brick-making with this mixture. The total outlay on the work of constructing a first-class taluk office at Ongole, estimated at Rs. 31,250, up to end of the year was Rs. 21,306. The walls were raised 3 feet above basement all round and the door and window frames fitted. The other materials required were collected.

*III Circle.*—The construction of a taluk office at Madakasíra was in progress during the year. The contractor having died the portion of the work left undone by him had to be taken up departmentally. The building was nearly completed. A revised estimate for the work, amounting to Rs. 42,633, was sanctioned in March 1899. Improvements to the taluk office at Alúr were completed during the year, but the accounts were not closed as, at the time of final inspection, some additional work was found necessary and had to be carried out departmentally. The wire-fencing of the two new taluk offices at Proddatur and Ráyachóti was put up during the year, the total expenditure to date on these offices being, respectively, Rs. 40,733 and Rs. 40,213. A Deputy Tahsildar's office at Chitvel was commenced in July 1898 and an outlay of Rs. 8,382 incurred mostly in the collection of materials. The work was being done departmentally, the contractor having been removed for not supplying good materials and the foundation having had to be taken out and relaid. A revised estimate for the work was under preparation. A taluk office at Pattikonda was put in hand during the year and the main building completed up to plinth level. The Stationary Sub-Magistrate's office at Nandyal was almost completed with the exception of the compound wall. The construction of out-houses for the Deputy Tahsildar's office at Markapur was completed during the year. A taluk office at Nandikotkur was begun during the year. The main building up to plinth level and three-fourths of the compound wall were finished.

*IV Circle.*—The Stationary Sub-Magistrates' offices at Puttur and Kundapur were completed during the year at an outlay of Rs. 9,590 and Rs. 9,839 against estimates of Rs. 9,400 and Rs. 10,080, respectively. A first-class taluk office at Kasaragod was taken up during the year and an expenditure of Rs. 14,100 incurred. The superstructure was almost completed and wood work for the roof commenced. There was some delay in the execution of improvements to the Collector's office and detached buildings at Coimbatore; a crack having appeared in one of the main arches, it was not considered safe to build further without testing them with Madras Railway rails which could not be obtained for a very long time. The work was nearly completed. The taluk office at Tiruvannámalai was completed and handed over at an outlay of Rs. 40,008 against an estimate of Rs. 39,210. As regards the public offices at Tanjore, the lower storey of the main building, the treasury, the record-room and press office were completed. Plastering of walls and fixing of doors and windows were in progress. The outlay to date was Rs. 1,45,410.

*VI Circle.*—The Stationary Sub-Magistrate's office, Kulitalai, was completed and handed over at a total outlay of Rs. 8,854 against the sanctioned estimate of Rs. 8,500. The work of constructing a Stationary Sub-Magistrate's office at Perambalúr was completed in the previous year; but final payments were made and the accounts closed only during the year under report. The total outlay was Rs. 8,177 against the sanctioned estimate of Rs. 7,600. The outlay during the year on the Head Assistant Collector's office at Ramnad was Rs. 756, the total expenditure amounted to Rs. 19,927 against the sanctioned estimate of Rs. 19,100. Work completed. The Stationary Sub-Magistrate's office at Periyakulam estimated at Rs. 9,000 was almost completed. The total expenditure on the work was Rs. 8,002. A Stationary Sub-Magistrate's office at Dindigul was in progress. A revised estimate for the work amounting to Rs. 9,600 was sanctioned in October 1898. The outlay during the year was Rs. 7,004. Additions and improvements to the Sub-Collector's office at Dindigul were commenced in May 1898 and the building was completed and handed over in March 1899 at an outlay of Rs. 3,058. The Stationary Sub-Magistrates' offices at Sankaranayinárkoyil and Sáttúr were completed during the year.

Consulting Architect's Division.

Certain minor additions to the Government Houses at Madras and Guindy were under execution. The additions and improvements to the Government Secretariat buildings at Ootacamund estimated at Rs. 17,660 was started by departmental agency and completed. The additional store-room at the Central Stamp office, Madras, estimated at Rs. 9,520 was completed and handed over early in January 1899. The estimate for the construction of a new work room and a stuffing room and erecting teak racks, &c., in the Central Museum, Madras, estimated at Rs. 10,770 was sanctioned in October 1896; but work was started only in June 1898 and completed by the following December.

Educational.

The furniture and fittings for the chemical laboratory at the Presidency College was made by the Public Works Workshops and the apparatus obtained through the India Office. The latter was fitted up by Messrs. P. Orr & Sons, Madras. The estimate for providing an installation of gas for lighting the library, reading-room and theatre at the Connemara Library was sanctioned in May 1898, and the work completed by the following October. In the Normal and Union schools for the Training College at Rajahmundry the upper storey was completed and handed over for occupation on 1st April 1899. Some items yet remain to be done, such as white-washing, &c. A revised estimate amounting to Rs. 61,000 was submitted for sanction. The outlay on the work to the end of March 1899 was Rs. 54,621. Some additions and alterations were made to the Reformatory school at Chingleput. The year's outlay was Rs. 7,082.

Law and Justice.

A waiting shed was constructed in the compound of the District Munsif's Court at Bezwada at a cost of Rs. 439. A combined office for the Deputy Tahsildar and the District Munsif at Ottappálam was completed during the year, the total outlay on the work being Rs. 38,334. An upper storey to the Sub-Judge's Court at Palghat was sanctioned late in the year and funds were allotted in January 1899. Walls of rooms were built 2 feet high and door frames were fitted. A court-house for the District Munsif of Krishnagiri was purchased and improved at an outlay of Rs. 3,712. The original grant for the District Munsif's court-house at Shiyali was reduced during the year to Rs. 2,000 with reference to a proposal to change the site; a sum of Rs. 2,012, however, was spent on the levelling of this site preparatory to digging foundations. Foundation for a District Munsif's court-house at Villupuram was completed throughout and raised to top of basement level; door frames are being fitted. The work was being carried out departmentally. The total outlay on the work was Rs. 9,274. West Coast wood (*ainee*) was obtained for rafters on this building, but it has warped to such an extent that it could not be used. The same wood was used in other places—Tanjore for instance—successfully and at a very considerable saving in cost. Improvements to the District Munsif's court-house at Pattukkóttai were completed and walls to the pleaders' shed raised 8 feet high all round.

Jails.

Improvements to the Central Jail buildings at Salem were completed except the provision of zinc shutters to 50 cells in the close prison for which the required materials had been collected. The main gate well in the Central Jail, Coimbatore, was widened to the full depth; the ramp cutting made good progress.

Rs. 4,442 was spent on the water-supply to the Trichinopoly Central Jail. The work of increasing the cellular accommodation at the Penitentiary was not put in hand till December 1898; by March 1899, however, about half of the work was completed. Portions of the District Jail at Bellary were re-roofed with Mangalore tiles at a cost of Rs. 3,783. Improvements to the District Jail at Madura estimated at Rs. 7,840 were undertaken by the Jail department and the work was approaching completion. Two cells to the Sub-Jail at Manjéri were nearly completed, the outlay during the year being Rs. 2,820. Two cells to the Sub-jail at Angádipuram were started during the year and were nearly completed, the outlay being Rs. 2,121.

Police. The work of constructing a Police school building at Chatrapur was started in June 1898 and was practically completed by the end of the year under report with an outlay of Rs. 3,343. A third-class Police station-house at Karempudi was commenced during the year and was approaching completion. The outlay was Rs. 1,036. Revised estimates for converting the old sub-jail into 24 Police huts at Masulipatam and for converting the old hospital at the same place into Inspector's quarters and out-houses were under preparation. A second-class Police station-house at Venkatagiri estimated at Rs. 2,100 was in progress. The outlay during the year was Rs. 234. The Police office at Kurnool, an incomplete work of last year, was almost completed. Plastering the main building, pointing and parapet work have yet to be done. 145 Police huts at Mangalore were completed at an outlay of Rs. 30,772. An office for the Assistant Superintendent of Police, Palghat, was constructed to roof level. Stone and other materials were collected. Progress was very much retarded owing to wood-work not being ready. Rs. 9,999 were spent on the permanent quarters for the Police force at Malapuram during the year. The Thiya and Moplah lines and the blocks of buildings with out-houses for European head constables were completed. Improvements to the old Jail guard lines at Coimbatore to adapt them for the accommodation of the Reserve Police were completed and materials for the Inspector's and the European head constable's quarters collected. A third-class Police station-house at Kandal estimated at Rs. 2,565 was completed at an outlay of Rs. 2,578 during the year and handed over to the Police department as were also the Police hospital ward in the compound of the Civil Dispensary at Kollegal and the town Police station at Madura. The work of converting the old Jail at Chittoor into Police lines was, with the exception of a few details, completed. A second-class Police station-house at Pettai was completed. An office and residence for the Assistant Superintendent of Police at Tuticorin was completed during the year, the total expenditure being Rs. 12,550. A Police station-house at Washermanpettah estimated at Rs. 12,675 was started about July 1898 and completed in March 1899.

Registration. The work of repairing and improving the Old Taluk office at Nandigáma, Kistna Northern division, for the office of the Sub-Registrar, was commenced late in the year and was almost completed. The extension of the Deputy Tahsildar's office at Kota to accommodate the Sub-Registrar's office, an incomplete work of the previous year, was completed. The extension of the Venkatagiri Taluk office to accommodate the Sub-Registrar's office (estimate Rs. 2,200) an incomplete work of the previous year, was also completed as were the Sub-Registrars' offices at Madakasira, Pallikonda, Aruppukkóttai, Tiruppuvanam, Kadayanallur, Uppiliyapuram and Lalgudi.

Public Works buildings. The building in the occupation of the Sub-Registrar's office, Mount Road, was purchased during the year for Rs. 4,350. The construction of a residence for the Executive Engineer, Waltair, and of a rest-house at Cocanada was in progress. The rest-house at Karempudi was improved at an outlay of Rs. 911. Quarters and out-houses for the Executive Engineer, Kistna Northern division, an incomplete work of the previous year, were completed. The rest-house at Kávali, estimated at Rs. 1,650, was abandoned and the materials were sold. The famine tools godown at Bellary commenced during 1897–98 was completed during the year under report at a cost of Rs. 8,527 against an estimate of Rs. 8,940. The work of improving and extending the Executive Engineer's office at Madanapalle begun in July 1898 was completed in March 1899 at a cost of Rs. 3,704 against an estimate of Rs. 3,650. The work was done departmentally. A

store-shed for famine tools at Cumbum was completed during the year. Quarters for two Secretariat clerks on Stonehouse Hill at Ootacamund were completed. The total outlay was Rs. 2,889 against an estimate of Rs. 2,970. The following works were practically completed during the year :—(1) construction of two store-sheds in the Public Works Stores; and (2) laying on Red Hills water-supply to the Public Works Workshops. A residence with out-houses for the Inspector of Police at Kodaikánal was under construction. The residence at Kodaikánal for the Deputy Tahsildar, estimated at Rs. 4,000, was started in August 1898, and completed in January 1899 by departmental agency with a saving of nearly Rs. 623. Residences for the Judge, the District Superintendent of Police and the Executive Engineer at Madura were in progress. Certain additions to the Amir Mahal Zenana building were started and completed in the year at an outlay of Rs. 2,432.

Communications.

The road with masonry works from Kallikota to Boirani was completed during the year with a total expenditure of Rs. 87,116 against the estimate of Rs. 87,800. The iron girder bridge at Maha Singhi estimated at Rs. 70,910 was completed during the year. The total outlay on the work was Rs. 58,071. The portion of the ghât road from Koraput to Jeypore was transferred to the Public Works Department during the year and estimates for replacing the wooden and temporary bridges by permanent structures were under preparation. The road from Itikavalasa to Koraput was maintained at a cost of Rs. 28,246. The expenditure to the end of the year on account of improvements to the Sultan's Battery, Mysore frontier road, was Rs. 79,764 against the estimate of Rs. 84,340. The work was completed with the exception of putting up an iron girder bridge across the Kallur river, materials for which were collected. A sum of Rs. 4,380 was spent during the year on metal collection for improving the Chundale Sultan's Battery road. Roads from Pandikad to Thuvur and from Thuvur to Karivarakundu were completed and tested by one monsoon. They were in very fair condition throughout, the total outlay to date being Rs. 19,566. The road from Melathur to Karivarakundu was completed and opened for traffic. The total outlay on it was Rs. 16,655. The road from Kalikavu to Karivarakundu was completed, the total expenditure on the work to date being Rs. 15,403. The road from Nilambúr to Kalikavu was nearly completed, and was opened for traffic. The total outlay on the work was Rs. 26,126. As regards the Pandalur road earthwork and all the masonry works except three bridges were completed. The total expenditure to date was Rs. 23,860. The Havelock road at Ootacamund was opened for traffic. The total length of the road is 4 $\frac{11}{16}$ miles. The total expenditure on the Anamalai project for the year amounted to Rs. 51,815. The bridle-path up the villoney valley was completed and the first 3$\frac{1}{2}$ miles of the cart road made good progress. An expenditure of Rs. 16,802 was incurred during the year on the Pallapalayam-Chinnar road. 1,000 running feet of earthwork from the Pallapalayam end was finished and enough metal and gravel for that portion collected. Beyond this, work was in progress. The dry stone portion of the abutments to the bridges and culverts on the ghât was nearly finished for a length of 1,600 feet from the foot and the top portion (dry stone in mortar) for the same works was in progress. The guard wall from the foot to 3,300 feet was completed and from 3,300 feet to 5,200 feet about a quarter of the work remained to be done. Earthwork from 2,200 feet to 5,200 feet was finished and from 5,200 feet to 5,700 feet it was in progress. The total length of this section is 12,260 feet. Considerable difficulties were encountered in the matter of work on the ghât, as most of the labour had to come daily from a distance of 11 miles. An estimate for constructing a girder bridge across the Chinnar river in continuation of the road was under preparation. The following lines of communication were maintained and improved during the year :—

| Name of road. | Length of road. | Expenditure under maintenance. | Expenditure under improvements. | Monsoon damages. |
|---|---|---|---|---|
| | MILES. | RS. | RS. | RS. |
| Chundale-Mysore Frontier ... ... ... ... | 12 | 5,989 | 12,618 | ... |
| Ootacamund to Kallar ... ... ... ... | 27 | 44,962 | ... | ... |

A sum of Rs. 44,962 was spent in maintaining the Ootacamund-Kallar road against an estimate of Rs. 44,400; a further sum of Rs. 1,341 was spent in maintaining the suspension bridge at Kallar. The 8 miles of the old ghât between Coonoor and Kallar were also maintained at a cost of Rs. 150 per mile.

Miscellaneous public improvements.

The work of filling in the Ootacamund lake was completed except draining the new tennis courts and raising low portions of the Polo-ground. The outlay during the year was Rs. 55,781. An outlay of Rs. 9,003 was incurred in improving the conservancy of the river Cooum.

Incorporated Local Funds.

The road over the Kistna anicut was re-constructed and opened for traffic on the 24th March 1899, at an outlay of Rs. 990. A road culvert at 2 miles, 3,650 feet of the central channel in Nellore division was constructed at a cost of Rs. 586. The following roads were maintained during the year:—(1) Kykalur road, (2) roadway over the Penner anicut.

Excluded Local Funds—Port Funds.

The quarters with out-houses for the Port officer at Vizagapatam (estimate Rs. 10,500) were in progress. Improvements to the foreshore at Vizagapatam were executed by the East Coast Railway; the amount of the sanctioned estimate for the work was adjusted by transfer to the East Coast Railway. A building was purchased for the residence for the Port officer at Gopalpur through the medium of the Revenue Department. The work of extending the southern and northern jetties at Cocanada was completed; the original estimate had to be revised to provide for the increased cost of conveyance of materials by rail. The groynes were in good condition except that a settlement had taken place owing to tidal scour round the ends at flow and ebb tides. A dredger had been indented for for the port. Extensive repairs were carried out to the iron screw-pile pier at Calicut at a cost of Rs. 7,388. The wood-work was almost entirely renewed and new tie rods fixed where required. Improvements and extensions to the jetty wall at Negapatam, were completed during the year at an outlay of Rs. 3,840. An outlay of Rs. 3,767 was incurred on Hurdle groynes at Negapatam. An outlay of Rs. 14,855 was incurred on building a barge for the port of Tuticorin and mounting on it the Priestman's dredger lying at the Public Works Workshops, Madras. The following minor works were in progress in the V Circle:—(1) Lightkeepers' quarters at Point Calimere, estimate Rs. 2,260; (2) Improving the Port office at Negapatam, estimate Rs. 1,015. The Lighthouse towers at Havelock Point, Manupaud, Musulipatam, Mangalore, were approaching completion; those at Mulki and Seven Pagodas were begun.

Works in estates under the Court of Wards.

In the Ganjám division the Bodogodo and the Shergada estates were in charge of the Public Works. No works were carried out in the latter; but in Bodogodo, a sum of Rs. 258 was spent under "Buildings," "Original Works"; under "Repairs" Rs. 573 were spent in repairing three works, of which one was an incomplete work of the previous year. Rs. 5,471 were spent in repairs to Sivasamudram bridge.

Contribution work.

The Vizagapatam water-works were in fair progress during the year, the total expenditure having been Rs. 65,626. Rs. 58,340 were spenton the Cocanada Water-works estimated at Rs. 3,74,396. The municipality withdrew a sum of Rs. 1,15,190 from the unexpended balance of the contribution made in the previous year. The Ootacamund drainage scheme was practically completed, the outlay being Rs. 25,221, and Rs. 17,838 were spent on the improvements to the Ootacamund water-supply. In connection with the Tirupati water-supply the collecting wells, collecting chamber and break pressure chamber were raised to summer water level and the infiltration gallery formed by end of May. Sluice valves were being fitted up. Cement pipes were laid for the delivery main for a total length of 6 miles and the service reservoir for the town was raised to full height and arched over.

Famine relief.

A sum of Rs. 2,714 was spent in the Vizagapatam division in discharging liabilities to the piece-workers on training Sarada river below Murkada village. In the Nellore division there were early rains in May and the number on relief fell off; the Nandanavanam tank work was then closed, and all labour was concentrated on the Duthalore-Pamur and Kanigiri-Pamur road works; the expenditure on these roads was Rs. 4,763 and Rs. 2611, respectively. The heavy rains in September caused

the closure of these two in October. The works were carried out on the intermediate piece-work system at a cost slightly in excess of ordinary schedule rates.

Lighthouses.

The following lighthouses were inspected during the year by the ordinary staff of the Public Works Department and their condition reported on:—Calingapatam, Hope Island, Point Divi, Cochin, Calicut, Cannanore, Tellicherry, Mangalore, Negapatam, Point Calimere, and Hare Island.

Public Works Stores.

A fire occurred in a portion of the Public Works stores on the 3rd February 1899. The value of the stock destroyed had not been reported at the close of the year. The closing balance of the year inclusive of surplus stock and of such stock as was destroyed by fire was Rs. 3,06,706 against Rs. 1,93,511 at the end of the previous year, the receipts being Rs. 2,67,738 and the issues Rs. 1,54,543. During the year under report, 35 consignments were received from England and 29 shipments made to other Public Works divisions as against 61 and 20, respectively, in the previous year.

Public Works Workshops.

The value of work executed in the shops during the year was Rs. 2,61,337 against Rs. 2,82,499 in the previous year, showing a decrease of Rs. 21,163. Over Rs. 50,000 worth of last year's outturn was directly due to famine. The following statement shows the work done for each department as compared with that of the previous year:—

| Department. | 1897-98. | 1898-99. | Difference. More. | Difference. Less. |
|---|---|---|---|---|
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| Public Works Department ... ... ... ... | 2,50,740 0 8 | 2,15,324 7 11 | ... | 35,415 8 9 |
| Military Works and State Railways ... .. ... | 712 3 0 | 394 12 1 | ... | 317 6 11 |
| Other departments ... ... ... ... ... | 27,166 13 10 | 41,557 8 8 | 14,390 10 10 | ... |
| Quasi-public bodies ... ... ... ... ... | 1,127 15 11 | 3,630 4 5 | 2,502 4 6 | ... |
| Private parties ... ... .. ... ... ... | 2,752 3 7 | 429 10 8 | ... | 2,322 8 11 |
| Total ... | 2,82,499 5 0 | 2,61,336 11 9 | 16,892 15 4 | 38,055 8 7 |

Decrease of work done in 1898-99 = Rs. 21,162-9-3

Dowlaishweram workshops.

The following is a statement of the work done in the shops during the year under report as compared with that executed in the previous year:—

| | 1898-99. | 1897-98. | More than 1897-98. | Less than 1897-98. |
|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. |
| Work done for the Public Works Department excluding centage. | 97,630 | 85,745 | 12,085 | ... |
| Do. for other departments excluding centage ... .. | 5,625 | 15,717 | ... | 10,092 |
| Do. for private parties do. ... ... | 1,200 | 1,223 | ... | 23 |
| Total ... | 1,04,655 | 1,02,685 | 12,085 | 10,115 |

Bezwada workshops.

The outturn of the shops during the year amounted to Rs. 48,605 against Rs. 94,820 in the previous year. The work done was distributed between Irrigation and Provincial Works nearly in the proportion of 14 to 9.

Government Brick and Tile Factory.

The patent kiln was at work at the Government Brickfields during the year. The outlay on manufacture amounted to Rs. 49,049, while the value of outturn for the same period amounted to Rs. 49,977, showing a profit of Rs. 928. The outlay on manufacture under this head in the Government lime kilns amounted to Rs. 7,779 and the value of the outturn to Rs. 6,118, showing a loss of Rs. 1,661. The net loss of the operations under brick and lime was Rs. 732.

# PUBLIC WORKS—IRRIGATION. (1898-99.)

## *General Remarks.*

Grants and expenditure.

The final grant for the year from 'Imperial' funds was Rs. 20,40,965 and the expenditure Rs. 20,16,701; * from 'Provincial' the grant was Rs. 29,77,400 and the expenditure Rs. 28,68,068.* Rs. 8,104 were spent from the 'Local Irrigation Cess Fund' against a grant of Rs. 9,260, and Rs. 16,047 were spent from 'Contributions.' There was a recovery of outlay of Rs. 3,102 during the year under '33. Famine Relief.' The total expenditure during the year under all heads was Rs. 49,05,818,* or Rs. 7,92,475 * less than that incurred in the previous year.

Direct receipts.

The total of direct receipts collected in the Public Works Department was (exclusive of refunds of revenue) Rs. 3,75,153, that is, Rs. 46,094 more than in the previous year, and Rs. 24,053 more than the amount anticipated. The increase occurred chiefly under the Gódávari and the Kistna deltas, and was due to the introduction of the new navigation rules during the year.

Total area irrigated.

The total area charged as irrigated for both first and second crops was 6,689,839 acres against 6,372,737 acres in the previous year. Of the area irrigated, 2,775,782 acres were under 'Major Works,' 563,497 acres under 'Minor Works for which Capital and Revenue Accounts are kept,' and the remainder under works for which no such accounts are kept.

Total revenue derived.

The total irrigation (indirect) revenue, exclusive of deductions and remissions, amounted to Rs. 2,21,89,454 against Rs. 2,10,76,732 of the previous year. Of the increase, Rs. 3,26,375 were derived from 'Major Works,' Rs. 88,601 from 'Minor Works for which Capital and Revenue Accounts are kept,' and Rs. 6,97,746 under works for which such accounts are not kept. The remissions granted during the year amounted to Rs. 6,09,375 against Rs. 11,34,955 in the previous year.

## MAJOR (PRODUCTIVE AND PROTECTIVE) WORKS.

### *Capital Account.*

Grant and outlay.

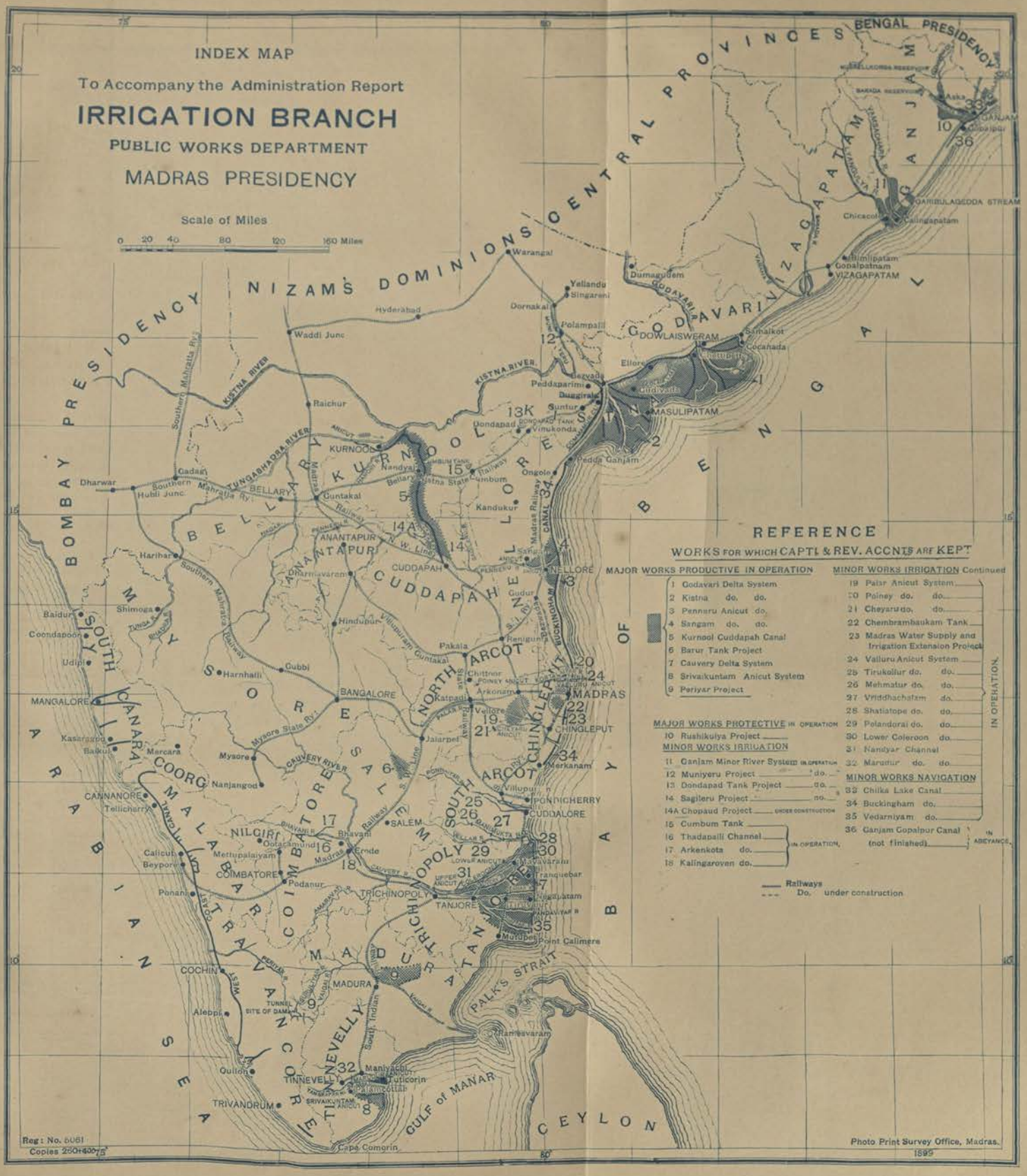
Under "49. Capital Expenditure not charged to Revenue," Irrigation Works, the cost of construction as now estimated, grants and outlay during, and to end of, the year were as shown below :—

| Departmental heads. | Cost of construction as now estimated. | Budget grant for 1898-99. | Final grant for 1898-99. | Outlay during 1898-99. | Total outlay to end of 1898-99. |
|---|---|---|---|---|---|
| *Direct Charges.* | Rs. | Rs. | Rs. | Rs. | Rs. |
| Works ... ... ... ... ... ... | 4,97,09,779 | 3,91,414 | 4,30,964 | 4,28,703 | 4,88,62,564 |
| Establishment ... ... ... ... | 74,19,156 | 85,426 | 93,986 | 91,843 | 72,25,986 |
| Tools and plant ... ... ... ... | 24,93,854 | 23,160 | 11,050 | 9,841 | 24,90,014 |
| Loss by exchange ... ... ... ... | 40,80,918 | ... | ... | ... | 40,80,918 |
| Total ... | 6,37,03,707 | 5,00,000 | 5,36,000 | 5,30,387 | 6,26,59,482 |
| Less receipts on Capital account ... | 2,57,082 | ... | ... | ... | 2,57,082 |
| Net Total ... | 6,34,46,625 | 5,00,000 | † 5,36,000 | ‡ 5,30,387 | 6,24,02,400 |
| *Indirect Charges.* | | | | | |
| Capitalized abatement of land revenue ... | 29,93,999 | ... | ... | 54,242 | 29,93,999 |
| Leave and pension allowances ... ... | 12,52,093 | ... | ... | 12,858 | 12,64,450 |
| Total ... | 42,46,092 | ... | ... | 67,100 | 42,58,449 |
| Grand Total ... | 6,76,92,717 | .. | ... | 5,97,487 | 6,66,60,849 |

† Exclusive of Rs. 25,080 included under Provincial—Class II. Minor Works and Navigation—Capital Account—Sangam anicut system and Kurnool-Cuddapah canal.

‡ Includes outlay of Rs. 28,587 incurred on the Sangam anicut system and Kurnool-Cuddapah canal under Provincial—Class II work.

NOTE.—Figures marked * are liable to alteration.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2 Kistna do. do.
3 Pennaru Anicut do.
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5 Kurnool Cuddapah Canal
6 Barur Tank Project
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8 Srivaikuntam Anicut System
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IN ABEYANCE.
Railways
Do. under construction
Reg: No. 6061
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Photo Print Survey Office, Madras.
1899

The direct charges during the year were Rs. 2,67,168 less than in the previous year and Rs. 5,613 less than the final grant.

*Revenue Account.*

The charges under "42. Major Works (Working Expenses)" were as shown below:— Grant and outlay.

| Departmental heads. | Grant.* | | Outlay. | | |
|---|---|---|---|---|---|
| | Budget. | Final. | Gross. | Deduct old maintenance charges. | Net. |
| *Direct Charges.* | RS. | RS. | RS. | RS. | RS. |
| Extensions and improvements ... ... ... | 89,996 | 73,257 | 75,541 | 4,261 | 71,280 |
| Maintenance and repairs ... ... ... ... | 6,63,364 | 6,28,727 | 7,76,623 | 1,36,586 | 6,40,037 |
| Compensation ... ... .. ... ... | 40,000 | 40,000 | 40,000 | ... | 40,000 |
| Establishment ... ... ... ... ... | 5,88,398 | 5,84,443 | 8,79,872 | 2,79,048 | 6,00,824 |
| Tools and plant ... ... ... ... ... | 1,18,242 | 1,10,273 | 1,11,152 | 1,743 | 1,09,409 |
| Total ... | 15,00,000 | 14,36,700 | 18,83,188 | 4,21,638 | 14,61,550 |
| *Indirect Charges.* | | | | | |
| Capitalized abatement of land revenue ... ... | ... | ... | 5,496 | ... | 5,496 |
| Leave and pension allowances ... ... ... | ... | ... | 1,23,246 | 39,131 | 84,115 |
| Total ... | ... | ... | 1,28,742 | 39,131 | 89,611 |
| Grand Total ... | ... | ... | 20,11,930 | 4,60,769 | 15,51,161 |

* Exclusive of grant for old maintenance charges.

The expenditure during the year under direct charges was more than that of the preceding year by Rs. 73,028.

The total area irrigated under "Major Works" and the revenue derived therefrom, as compared with the previous year, are given below:— Area irrigated and revenue derived.

| — | Area occupied. | Area charged as irrigated. | Irrigation revenue. | Average rate per acre. |
|---|---|---|---|---|
| | ACRES. | ACRES. | RS. | RS. |
| 1898-99 ... ... ... | 28,00,617 | 27,75,782 | 1,13,38,937 | 4·08 |
| 1897-98 ... ... ... | 2,731,134 | 2,705,915 | 1,10,12,562 | 4·07 |

The Revenue Account, compared with the previous year, is as follows:— Financial results.

| — | 1898-99. | 1897-98. |
|---|---|---|
| | RS. | RS. |
| Irrigation revenue ... ... ... .. ... ... ... | 1,13,38,937 | 1,10,12,562 |
| Add share of land revenue ... ... ... ... ... | 4,92,013 | 4,64,334 |
| Direct receipts in the Public Works department ... ... | 2,01,079 | 1,55,789 |
| Total ... | 1,20,32,029 | 1,16,32,685 |
| Deduct working expenses and collection charges in the Civil department ... ... ... ... ... ... ... | 23,96,874 | 22,99,546 |
| Total net revenue ... | 96,35,155 | 93,33,139 |
| Deduct old irrigation revenue *minus* old maintenance charges. | 37,03,518 | 37 61,870 |
| Net revenue ... | 59,31,637 | 55,71,269 |
| Deduct interest charges ... ... ... ... ... ... | 26,56,764 | 26,26,258 |
| Surplus revenue ... | 32,74,873 | 29,45,011 |

The net revenue amounted to 8·31 per cent. on the total capital outlay of the works in operation, and this percentage would be 11·86 were it not that the capital outlay is burdened with the great cost of the unremunerative Kurnool-Cuddapah canal which had to be purchased in 1882–83.

## GÓDÁVARI DELTA SYSTEM.

### *Capital Account.*

Grant and outlay.

The following statement exhibits the grant of, and expenditure incurred during, the year :—

| Departmental heads. | Final grant for 1898-99. | Outlay during 1898-99. |
|---|---|---|
| *Direct Charges.* | RS. | RS. |
| Works ... ... ... ... ... ... ... ... ... | 71,733 | 69,124 |
| Establishment ... ... ... ... ... ... ... | 16,212 | 15,450 |
| Tools and plant ... ... ... ... ... ... ... ... | ... | ... |
| Suspense accounts ... ... ... ... ... ... ... | ... | ... |
| Total ... | 87,945 | 84,574 |
| Less receipts on Capital account ... | ... | ... |
| Net Total ... | 87,945 | 84,574 |

The total capital outlay to the end of 1898–99 was Rs. 1,30,65,513. In August 1898 the sanction of the Government of India to the estimate of Rs. 1,05,500 for excavating a short cut on Yenamadurru drain to Naidupalem yeru was communicated.

Progress of works.

Against the estimate for works of Rs. 1,75,500 for providing falling shutters to the anicuts, an expenditure of Rs. 1,36,552 was incurred up to the end of March 1899. Out of the 921 shutters required, 780 were fixed by the 15th June 1898, and the remainder, with the exception of two, were fitted by the end of March 1899. In the Central division, diversion of Vridha Gowtami drain at Mettalanka was completed. In the Western division, the cross drainage works, Ellore canal, was commenced in January 1899. The excavation of a short cut on the Yenamadurru drain to Naidupalem yeru was started in the latter part of February 1899.

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and the revenue derived during the year compare with those of the previous year as shown below :—

| | | Area occupied. | Area charged as irrigated. | Irrigation revenue. |
|---|---|---|---|---|
| | | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... | 662,491 | 656,062 | 25,72,935 |
| | 1897-98 ... ... | 644,468 | 635,954 | 24,70,677 |
| Second crop .. | 1898-99 ... ... | 122,243 | 120,431 | 4,70,838 |
| | 1897-98 ... ... | 167,154 | 163,481 | 5,66,890 |

The area irrigated this year under first crop is 2,596 acres less than the highest on record, viz., 658,658 acres in 1894–95. The extent of sugar cultivation fell from 5,837 acres to 3,327. The share of land revenue due to the works amounted to Rs. 1,49,430, consisting of land assessment on waste lands brought under irrigation Rs. 1,42,532, miscellaneous items Rs. 5,571 and 4 per cent. on sale-proceeds of tank-bed lands Rs. 1,327.

Financial results.

The gross revenue and working expenses per acre amounted to Rs. 4·25 and Re. 1·00, respectively, against Rs. 4·11 and Re. 0·86 in the previous year. The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| Direct charges ... ... | 5,87,646 | 1,60,16,177 | Direct receipts in the Public Works department ... ... | 1,09,226 | 27,08,153 |
| Indirect charges ... ... | 38,627 | 10,44,811 | Irrigation revenue ... .. | 30,43,773 | 6,79,43,790 |
| Collection charges in the Civil department ... ... ... | 1,53,460 | 42,49,184 | Share of land revenue ... | 1,49,430 | 62,13,233 |
| Interest on Capital outlay— | | | | | |
| Direct charges ... ... | 4,44,723 | 1,39,22,279 | Total ... | 33,02,429 | 7,68,65,176 |
| Total expenditure and charges ... ... ... | 12,24,456 | 3,52,32,451 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... ... | 1,15,500 | 45,33,962 |
| Surplus revenue ... ... | 19,62,473 | 3,70,98,763 | | | |
| Total ... | 31,86,929 | 7,23,31,214 | Net Total ... | 31,86,929 | 7,23,31,214 |

Net revenue.

The net revenue from the system during the year after paying the interest charges was 15·02 per cent. on the capital outlay "Direct and Indirect" against 15·75 per cent. in the previous year. The anticipated ultimate return was 9·3 per cent. per annum on the capital outlay. Of the expenditure of the year Rs. 24,108 were devoted to extensions and improvements, Rs. 2,51,156 to maintenance and repairs, Rs. 2,47,739 to establishment, and Rs. 57,193 to tools and plant. The receipts from navigation rose from Rs. 76,581 to Rs. 89,663.

## KISTNA DELTA SYSTEM.

### *Capital Account.*

Grant and outlay.

The expenditure on open Capital Account during the year is shown in the subjoined statement:—

| Departmental heads. | Grant for 1898-99. | Expenditure during 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Direct charges ... ... ... ... ... ... | 1,82,667 | 1,57,670 |
| Indirect charges ... ... ... ... ... ... | ... | 47,290 |
| Total ... | ... | 2,04,960 |

The total capital outlay including indirect charges to the end of the year was Rs. 1,33,96,625.

### *Revenue Account.*

Area irrigated and revenue derived.

The irrigated area and revenue of the year compare with those of the previous year as shown below :—

| — | | Area occupied. | Area charged as irrigated. | Irrigation revenue. |
|---|---|---|---|---|
| | | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... | 568,294 | 566,129 | 25,30,210 |
| | 1897-98 ... ... | 522,919 | 519,922 | 23,55,337 |
| Second crop ... | 1898-99 ... ... | 165 | 148 | 738 |
| | 1897-98 ... ... | 455 | 451 | 1,872 |

The area irrigated during the year under report was the highest on record since the opening of the system. The share of land revenue due to the works amounted to Rs. 1,63,012. The gross revenue and working expenses amounted to Rs. 4·89 and Rs. 1·22 per acre against Rs. 4·89 and Rs. 1·42, respectively, in the previous year.

Financial results.

The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99 | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... | 5,28,983 | 1,10,80,455 | Direct receipts in the Public Works department ... ... | 77,944 | 10,72,074 |
| Indirect charges ... ... | 31,485 | 6,40,295 | Irrigation revenue ... ... | 25,30,948 | 4,22,22,824 |
| Collection charges in the Civil department ... ... ... | 1,31,148 | 25,41,304 | Share of land revenue ... ... | 1,63,012 | 47,16,356 |
| Interest on Capital outlay— | | | | | |
| Direct charges ... ... | 4,97,181 | 1,01,12,450 | Total receipts ... | 27,71,904 | 4,80,11,254 |
| Total expenditure and charges. | 11,88,797 | 2,43,74,504 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... ... | 66,100 | 34,25,235 |
| Surplus revenue ... ... | 15,17,007 | 2,02,11,515 | | | |
| Total ... | 27,05,804 | 4,45,86,019 | Net Total ... | 27,05,804 | 4,45,86,019 |

The net return, after paying interest charges, was Rs. 11·32 per cent. on the total capital outlay against 9·49 per cent. in the previous year. Rs. 14,698 were spent on extensions and improvements, Rs. 2,46,590 on maintenance, and Rs. 50,127 on tools and plant. The navigation receipts amounted to Rs. 50,857.

*General Remarks.*

State of the river.

The Kistna river rose over the crest of the anicut on the 7th June 1898, and did not fall below it till 23rd January 1899; the maximum height which passed over the anicut during the year was 13·40 feet on 27th July 1898. The highest flood recorded is 20·30 feet and occurred in August 1896 when the crest level was 49·25. The present level of crest is 47·25. The constant level of the river between the end of October and the end of December indicates the value of the newly fixed falling shutters.

## PENNÉRU ANICUT SYSTEM.

*Capital Account.*

Total outlay.

There was no outlay on Capital Account of this system during the year. The total outlay, including indirect charges to the end of the year, was Rs. 18,99,192, which is the cost of construction as now estimated.

### *Revenue Account.*

The irrigated area and revenue compare as follows with those of the previous year :— Area irrigated and revenue derived.

| | | Area occupied. | Area charged as irrigated. | Irrigation revenue. |
|---|---|---|---|---|
| | | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... .. | 69,108 | 68,565 | 2,59,121 |
| | 1897-98 ... ... ... | 68,098 | 66,510 | 2,49,376 |
| Second crop ... | 1898-99 .. ... ... | 3,627 | 3,627 | 9,218 |
| | 1897-98 . ... ... | 3,954 | 3,954 | 10,921 |

The share of land revenue due to the works amounted to Rs. 21,118. The gross revenue and working expenses per acre amounted to Rs. 4·02 and Re. 0·65, respectively, against Rs. 4·00 and Re. 0·71 in the previous year.

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... | | | Direct receipts in the Public Works department ... ... | 811 | 9,648 |
| Indirect charges ... ... | 35,093 | 13,34,503 | Irrigation revenue ... ... | 2,68,339 | 72,73,023 |
| Collection charges in the Civil department ... ... | 3,157 | 1,06,190 | Share of land revenue ... ... | 21,118 | 5,46,063 |
| Interest on Capital outlay— | | | | | |
| Direct charges ... ... | 8,623 | 2,27,065 | Total receipts ... | 2,90,268 | 78,28,734 |
| | 65,903 | 19,58,293 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... ... | 87,000 | 30,01,282 |
| Total expenditure and charges... | 1,12,776 | 36,26,051 | | | |
| Surplus revenue .. ... | 90,492 | 12,01,401 | | | |
| Total ... | 2,03,268 | 48,27,452 | Net Total ... | 2,03,268 | 48,27,452 |

The net return, after paying interest charges, was 4·76 per cent. on the total capital outlay against 4·12 per cent. in the previous year.

### *General Remarks.*

The highest flood in the Pennéru occurred this year on the 7th November 1898 when the depth of water over the Pennéru anicut crest was 5·5 feet. The highest flood on record was 19 feet 3 inches which occurred on the 30th November 1882. State of the river.

## SANGAM ANICUT SYSTEM.

### *Capital Account.*

No expenditure was incurred during the year from Imperial funds on the Capital Account of the system. The expenditure incurred under Provincial 43. Minor Works and Navigation is shown below :— Grant and outlay.

| Departmental heads. | Final grant for 1898-99. | Outlay during 1898-99. |
|---|---|---|
| *Direct Charges.* | RS. | RS. |
| Works ... ... ... ... ... ... ... | 18,143 | 17,893 |
| Establishment ... ... ... ... ... ... | 2,982 | 4,115 |
| Total ... | 21,125 | 22,008 |

The total capital outlay to the end of the year, including indirect charges, amounted to Rs. 38,78,614 against Rs. 40,68,279, the cost of construction as now estimated.

*Revenue Account.*

Area irrigated and revenue derived.

The irrigated area and revenue compare as follows with those of the previous year :—

| | | Area occupied. | Area charged as irrigated. | Irrigation revenue. |
|---|---|---|---|---|
| | | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... | 75,226 | 73,905 | 3,00,403 |
| | 1897-98 ... ... | 74,346 | 71,765 | 2,88,416 |
| Second crop ... | 1898-99 ... ... | 4,356 | 4,356 | 12,695 |
| | 1897-98 ... ... | 4,512 | 4,512 | 13,398 |

The area irrigated during the year under first crop is the highest on record. The gross revenue and working expenses per acre amounted to Rs. 4·32 and Re. 0·86, respectively, against Rs. 4·28 and Re. 0·92 in the previous year.

Financial results.

The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 52,941 | 8,03,408 | Direct receipts in the Public Works department ... | 1,491 | 11,135 |
| Indirect charges ... ... | 4,533 | 50,499 | Irrigation revenue ... ... | 3,13,098 | 35,99,734 |
| Collection charges in the Civil department ... ... ... | 9,861 | 92,287 | Share of land revenue ... | 23,122 | 1,87,161 |
| Interest on Capital outlay— Direct charges ... ... | 1,26,476 | 17,75,095 | | | |
| Total expenditure and charges ... ... | 1,93,811 | 27,21,289 | Total receipts ... | 3,37,711 | 37,98,030 |
| Surplus revenue ... ... ... | 29,900 | – 5,61,993 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... | 1,14,400 | 16,38,734 |
| Total ... | 2,23,711 | 21,59,296 | Net Total ... | 2,23,711 | 21,59,296 |

The net return, after paying interest charges, was Rs. 29,900 against Rs. 16,234 in the previous year. Rs. 13,678 were spent on maintenance, Rs. 13,961 on establishment, and Rs. 1,877 on extensions and improvements.

*General Remarks.*

State of the river.

The greatest depth of water in the year over the Sangam anicut crest was 3·35 feet on the 7th November 1898, and the highest flood recorded on the 17th October 1889 was 8·70 feet.

## KURNOOL-CUDDAPAH CANAL.

*Capital Account.*

Reduction of purchase-money.

No expenditure in India has been incurred from Imperial funds on the Capital Account of the canal since its purchase. The cost of purchase of the canal remains at Rs. 2,16,38,942.

*Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue assessed compare as follow with those of the previous year :—

| | | Area irrigated. | Irrigation revenue. |
|---|---|---|---|
| | | ACRES. | RS. |
| Kurnool .. | 1898-99 ... ... . . | 25,594 | 74,310 |
| | 1897-98 ... ... . ... | 26,509 | 77,816 |
| Cuddapah ... | 1898-99 .. ... ... ... | 23,216 | 75,244 |
| | 1897-98 ... .. .. ... | 20,655 | 63,971 |
| Total .. | 1898-99 .. | 48,810 | 1,49,554 |
| | 1897-98 ... | 47,164 | 1,41,787 |

The following statement exhibits the financial results of the canal based on the actual collections of irrigation revenue:— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... | 1,06,273 | 23,64,398 | Receipts in the Public Works department ... ... | 6,653 | 1,65,895 |
| Indirect charges ... ... | 3,868 | 77,755 | Revenue collected in the Civil department ... ... | 1,55,662 | 17,10,603 |
| Collection charges in the Civil department ... ... | 7,783 | 80,481 | | | |
| Interest on Capital outlay— Direct charges ... ... | 8,68,743 | 1,43,02,898 | Total ... | 1,62,315 | 18,76,498 |
| | | | Net deficit ... ... ... | 8,24,352 | 1,49,49,034 |
| Total expenditure and charges ... ... | 9,86,667 | 1,68,25,532 | Total ... | 9,86,667 | 1,68,25,532 |

Of the expenditure, Rs. 9,478 went towards extensions and improvements, Rs. 67,611 towards maintenance, Rs. 27,629 to establishment and Rs. 1,555 towards tools and plant. The total net receipts in the department amounted to Rs. 6,653, of which navigation contributed Rs. 1,269.

### *General Remarks.*

Water in the Tungabhadra was 5·5 feet below the crest of the Sunkesala anicut on the 7th June. On the 9th it rose to 1·5 feet above crest and subsided on the 13th. On 18th June the river rose suddenly to 1·8 feet above crest and continued to pass over the anicut till the 7th February 1899. The maximum depth of water which passed over the crest was 4·17 feet on the 2nd October 1898. The first fresh in the Pennair river at Adivimayapally came on the 17th April 1898, when water rose from 2·5 feet below crest of anicut to 0·43 feet above it on the 18th and passed off on the 25th. The next fresh was on the 18th July, when the river rose from 4·1 feet below crest to 0·5 foot above it and continued to maintain various heights above crests till the 22nd August, when it went down. It again rose from 0·34 foot below crest on the 25th August to 1 foot above it on the 26th. It then generally maintained a level above the crest till the 27th February 1899, when it began to go down. The maximum depth on the crest of the anicut during the year was 3·93 feet on 11th September 1898. The Special Deputy Collector employed for the extension of irrigation under the canal continued his work throughout the year. Every effort is being made to induce the ryots to take canal water for wet cultivation. The work of demarcating the lands under the canal was continued during the year and an expenditure of Rs. 1,360 incurred. Improvements to Rampally channel were in progress. Rs. 1,820 were spent, the total outlay to the end of the year being Rs. 3,619 against an estimate of Rs. 3,670. Water-supply.

## BARUR TANK SYSTEM.

### *Capital Account.*

There was no outlay on capital account during the year. The total outlay, including indirect charges, to the end of the previous year, was Rs. 4,25,045 against Rs. 4,27,745, the estimated cost of construction. Total outlay.

*Revenue Account.*

Area irrigated and revenue derived.

The irrigated area and revenue compare as follows with those of the preceding year :—

| — | | Area occupied. | Area charged as irrigated. | Irrigation revenue. |
|---|---|---|---|---|
| | | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... | 2,887 | 2,887 | 9,671 |
| | 1897-98 ... | 2,664 | 2,664 | 9,459 |
| Second crop ... | 1898-99 ... | 2,014 | 2,014 | 2,214 |
| | 1897-98 ... | 1,757 | 1,757 | 2,163 |

Financial results.

The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 2,098 | 41,801 | Direct receipts in the Public Works department ... ... ... | 187 | 443 |
| Indirect charges ... ... ... | 151 | 1,878 | Irrigation revenue ... ... ... | 11,885 | 1,02,827 |
| Collection charges in the Civil department ... ... ... | 496 | 3,933 | Share of land revenue ... ... | 33 | 91 |
| Interest on Capital outlay— | | | | | |
| Direct charges ... ... ... | 16,087 | 2,07,590 | Total receipts ... | 12,105 | 1,03,361 |
| Total expenditure and charges ... ... | 18,832 | 2,55,202 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 1,850 | 22,480 |
| Deficit ... | 8,577 | 1,74,321 | | | |
| Net Total ... | 10,255 | 80,881 | Net Total ... | 10,255 | 80,881 |

The working expenses, inclusive of interest charges for the year, exceeded the revenue by Rs. 8,577. Rs. 1,090 were spent on maintenance, Rs. 863 on establishment and Rs. 25 on tools and plant.

## CAUVERY DELTA SYSTEM.

*Capital Account.*

Grant and outlay.

The following statement exhibits the grant and outlay during the year :—

| Departmental heads. | Grant. | Outlay. |
|---|---|---|
| | RS. | RS. |
| Direct charges ... ... ... ... | 1,16,301 | 1,14,791 |
| Indirect charges ... ... ... ... | ... | 2,969 |
| Total ... | ... | 1,17,760 |

The total capital outlay to the end of the year, including indirect charges, amounted to Rs. 21,12,338 against Rs. 27,63,741, the cost of construction as now estimated.

*Revenue Account.*

Area irrigated and revenue derived.

The area and revenue compare as follows with those of the previous year :—

| — | | Area occupied. | Area charged as irrigated. | Irrigation revenue. |
|---|---|---|---|---|
| | | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... | 891,384 | 884,869 | 38,53,182 |
| | 1897-98 ... | 888,191 | 886,926 | 38,75,917 |
| Second crop ... | 1898-99 ... | 109,297 | 109,249 | 3,83,565 |
| | 1897-98 ... | 102,954 | 102,888 | 3,52,866 |

The gross revenue and working expenses per acre amounted to Rs. 4·38 and Re. 0·46, respectively, against Rs. 4·39 and Re. 0·45 in the previous year.

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| Direct charges ... ... | 3,68,391 | 1,13,83,438 | Direct receipts in the Public Works department ... ... | 1,630 | 1,43,686 |
| Indirect charges ... ... | 38,511 | 8,20,095 | Irrigation revenue ... ... | 42,36,747 | 17,92,98,204 |
| Collection charges in the Civil department ... ... | 48,239 | 17,15,148 | Share of land revenue ... | 1,14,035 | 52,73,331 |
| Interest on Capital outlay— Direct charges ... ... | 76,934 | 20,19,394 | Total receipts ... | 43,52,412 | 18,47,15,221 |
| Total expenditure and charges ... | 5,32,075 | 1,59,38,075 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... .. ... | 30,19,470 | 14,52,38,826 |
| Surplus revenue ... ... | 8,00.867 | 2,35,38,320 | | | |
| Total ... | 13,32,942 | 3,94,76,395 | Net Total ... | 13,32,942 | 3,94,76,395 |

The net return, after paying interest charges, was 37·91 per cent. on the capital outlay against 41·26 in the previous year. Rs. 17,859 were spent on improvements and extensions and Rs. 46,330 on establishment.

### *General Remarks.*

The highest fresh of the year was on the 15th November 1898, when water rose to 10·8 feet at the Cauvery dam. The highest flood on record was in 1858, when it rose to 13·25 feet on the gauge at the head of the dam. Floods.

The investigation started in November 1895 for the preparation of the completion estimates for the Cauvery delta system was continued during the year. Observations on discharges of nine irrigation channels were continued monthly during the season. Tabular statements of gauge-readings have been kept up in order to ascertain defects in the present distribution arrangements. Discharges of waste water into the sea at tail ends of rivers have been gauged at 26 points and their diagrams completely drawn. About 110 miles of levels and sections were taken of the southern drainages to complete the field work required for estimating their improvements, and previous field work was plotted and inked. About 450 miles levels of the country were taken during the year for ascertaining the lands commanded by the Vadavar, Pattukotta Project and in connection with the Kattar tank. A number of plans and estimates for the project were prepared and fair copied. Preparation of completion estimates.

## SRÍVAIKUNTAM ANICUT SYSTEM.

### *Capital Account.*

The total capital outlay, including indirect charges, to the end of the year, was Rs. 14,77,427. Total outlay.

The improvements to the Palayakayal tank were completed, and the work of providing screw-gearing shutters to the Srívaikuntam anicut was in progress. Progress of works.

### *Revenue Account.*

The irrigated area and revenue compare as follows with those of the preceding year :— Area irrigated and revenue derived.

| — | | Area occupied. | Area charged as irrigated. | Irrigation revenue. |
|---|---|---|---|---|
| | | ACRES. | ACRES. | Rs. |
| First crop ... | 1898-99 ... ... | 23,273 | 22,052 | 1,27,189 |
| | 1897-98 ... ... | 22,785 | 21,580 | 1,24,664 |
| Second crop ... | 1898-99 ... ... | 20,688 | 20,688 | 61,436 |
| | 1897-98 ... ... | 20,699 | 20,088 | 65,074 |

The area irrigated under first crop is only 406 acres less than the highest on record, viz., 22,458 acres in 1887–88; while that under second crop is the highest limit yet attained. Under this system the area of second crop irrigation bears a much higher proportion to the first crop irrigation than elsewhere.

Financial results.

The gross revenue and working expenses amounted to Rs. 4·48 and Rs. 1·08 per acre against Rs. 4·64 and Rs. 1·12, respectively, in the previous year. The subjoined statement exhibits the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| Direct charges ... ... | 35,329 | 8,83,652 | Direct receipts in the Public Works department ... | 1,086 | 32,931 |
| Indirect charges ... ... | 2,196 | 53,749 | Irrigation revenue ... ... | 1,88,625 | 45,57,604 |
| Collection charges in the Civil department ... ... ... | 5,571 | 1,27,497 | Share of land revenue ... | 1,791 | 46,698 |
| Interest on Capital outlay— Direct charges ... ... | 54,925 | 14,10,996 | | | |
| | | | Total receipts ... | 1,91,502 | 46,37,233 |
| Total expenditure and charges ... ... | 98,021 | 24,75,894 | | | |
| Surplus revenue ... ... | 26,981 | 77,711 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... | 66,500 | 20,83,628 |
| Total ... | 1,25,002 | 25,53,605 | Net Total ... | 1,25,002 | 25,53,605 |

The net return after paying interest charges was 1·82 per cent. on the capital outlay against 1·73 in the previous year. The charges for maintenance and establishment were Rs. 13,582 and Rs. 9,663, respectively.

### *General Remarks.*

State of the river.

During the year water passed over the Srívaikuntam anicut for 48 days against 35 days in the preceding year. The highest level attained by the Tambraparni river was 6·05 feet over the crest on the 31st December 1898, the previous highest known flood being 12 feet above the crest of the anicut on the 30th December 1895, or 5·95 feet above the flood level of 1898.

## PERIYÁR PROJECT.

### *Capital Account.*

Grant and outlay.

The expenditure on open capital account during the year is shown in the subjoined statement :—

| Departmental heads. | Grant for 1898-99. | Expenditure during 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Direct charges ... ... ... ... | 1,42,602 | 1,40,090 |
| Indirect charges ... ... ... ... | ... | 12,377 |
| Total ... | ... | 1,52,467 |

The total expenditure, including indirect charges, to the end of the year was Rs. 86,81,605. The incomplete works of last year at the Periyár head were finished off. The work of digging elephant trenches round buildings at Thekadi and sundry improvements to buildings at Periyár were also carried out. In connection with the main and branch channels progress was made in cutting and laying out field, distributary and drainage channels, constructing head and field sluices, bridges, culverts, falls, weirs and other similar works.

### *Revenue Account.*

The area irrigated and the revenue derived during the year are shown below :— Area irrigated and revenue derived.

| | | Forecast of 1894. | Area occupied. | Area charged as irrigated. Old irrigation. | Area charged as irrigated. New irrigation. | Area charged as irrigated. Total. | Irrigation revenue inclusive of old irrigation. |
|---|---|---|---|---|---|---|---|
| | | ACRES. | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| 1897-98 ... | First crop ... | 22,918 | 73,604 | 58,440 | 13,925 | 72,365 | 3,88,186 |
| | Second crop ... | 15,585 | 22,629 | 15,039 | 7,001 | 22,040 | |
| | Total ... | 38,503 | 96,233 | 73,479 | 20,926 | 94,405 | 3,88,186 |
| 1898-99 ... | First crop ... ... | 34,368 | 82,960 | 59,203 | 20,174 | 79,377 | 4,50,161 |
| | Second crop ... ... | 23,376 | 30,826 | 15,264 | 14,384 | 29,648 | |
| | Total ... | 57,744 | 113,786 | 74,467 | 34,558 | 109,025 | 4,50,161 |

The gross revenue and working expenses per acre amounted to Rs. 4·31 and Rs. 1·36 against Rs. 4·21 and Rs. 1·21, respectively, in the previous year.

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | Receipts. | During 1898-99. |
|---|---|---|---|
| | RS. | | RS. |
| Direct charges ... ... ... | 1,27,700 | | |
| Indirect charges ... ... | 5,199 | Receipts in the Public Works department ... ... ... | 581 |
| Collection charges in the Civil department ... ... ... | 15,446 | Irrigation revenue ... ... | 4,50,161 |
| Interest on Capital outlay— | | Share of land revenue ... | 19,261 |
| Direct charges ... ... | 3,34,516 | Total receipts ... | 4,70,003 |
| Total expenditure and charges ... ... | 4,82,861 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... | 1,79,538 |
| Deficit ... ... ... | 1,92,396 | | |
| Total ... | 2,90,465 | Net Total ... | 2,90,465 |

NOTE.—Figures showing results to end of 1898-99 are not yet available.

An outlay of Rs. 4,600 was incurred in channel excavation; Rs. 45,455 was spent in fitting a Stoney's gate to the tunnel and in maintenance; Rs. 40,000 was paid to the Travancore State on account of rent dues under the Periyár lease.

## MAJOR (PROTECTIVE) WORKS.

### RUSHIKULYA PROJECT.

### *Capital Account.*

The Secretary of State's sanction to the third revised estimate amounting to Rs. 4,26,200 for the Surada reservoir dam and for increasing the sanctioned estimate for direct and indirect charges for the Rushikulya project from Rs. 47,56,000 to Rs. 49,45,820 was communicated by the Government of India in December 1898.

The following statement shows the total of the sanctioned estimate, the grant and the outlay during, and up to end of, the year :— Grant and outlay.

| Departmental heads. | Amount of estimate. | Final grant for 1898-99. | Outlay during 1898-99. | Total outlay to end of 1898-99. |
|---|---|---|---|---|
| | RS. | RS. | RS. | RS. |
| Direct charges ... ... ... | 45,53,000 | 68,265 | 53,351 | 43,08,571 |
| Indirect charges ... ... ... | 3,92,820 | ... | 1,454 | 3,90,657 |
| Total ... | 49,45,820 | ... | 54,805 | 46,99,228 |

The repair of serious slips in the eastern and extension parts of the Surada reservoir dam rendered a third revised estimate necessary. The work was practically completed. The channel to take the Pathama river into the Surada reservoir,

the surplus channel to Surada reservoir, and the excavation of Itchapur channel were completed with large savings in the case of the first two.

*Revenue Account.*

Area irrigated and revenue derived.

The area and revenue compare as follows with those of the previous year:—

| — | | Area occupied. | Area charged as irrigated. | Irrigation revenue. |
|---|---|---|---|---|
| | | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... | 79,949 | 79,949 | 1,35,018 |
| | 1897-98 ... ... | 67,966 | 65,985 | 1,11,571 |
| Second crop ... | 1898-99 ... ... | 3,019 | 3,016 | 4,681 |
| | 1897-98 ... ... | 1,333 | 1,333 | 2,081 |

The gross revenue and working expenses per acre amounted to Rs. 1·70 and Re. 0·53 against Rs. 1·70 and Re. 0·55, respectively, in the previous year.

Financial results.

The following statement shows the financial results:—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... | 38,734 | 1,73,959 | Direct receipts in the Public Works department ... ... ... | 1,470 | 4,641 |
| Indirect charges ... ... | 1,015 | 4,455 | Irrigation revenue ... ... ... | 1,39,699 | 4,94,972 |
| Collection charges in the Civil department ... ... | 4,317 | 14,606 | Share of land revenue ... ... | 211 | 518 |
| Interest on Capital outlay— Direct charges ... ... | 1,71,276 | 13,21,946 | Total receipts ... | 1,41,380 | 5,00,131 |
| Total expenditure and charges ... ... | 2,15,342 | 15,14,966 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 53,560 | 2,03,363 |
| Deficit ... ... | 1,27,522 | 12,18,198 | | | |
| Net Total ... | 87,820 | 2,96,768 | Net Total ... | 87,820 | 2,96,768 |

The working expenses, inclusive of interest charges for the year, exceeded the revenue by Rs. 1,27,522. Rs. 30,734 were spent on maintenance and Rs. 7,253 on establishment.

*General Remarks.*

There was a considerable demand for water, especially in the Berhampur subdivision, in which over 55,000 acres were irrigated. The irrigated area both under first and second crops is steadily increasing.

## WORKS FOR FAMINE RELIEF.

Programme of relief works.

As the Government of India declined to continue to allot Imperial funds under Famine Relief and Insurance for the investigation of projects, the "A" and "D" project divisions were abolished at the end of the year 1883–84 and the "B" and "C" project divisions were ordered to continue, the cost being met from Provincial funds; but during 1886–87 the latter two divisions were also abolished from want of funds. Owing to the breaking up of the extra divisions, which had been specially appointed to prepare schemes for famine works, it has been impossible to comply with the provisions of the Famine Code, chapter I, paragraph 5, but the matter has not been lost sight of. Lists of works available, or which possibly might soon be made available, in the Irrigation Branch are now drawn up by Collectors of districts in communication with the officers of the Public Works Department and submitted to Government.

## PROVINCIAL—MINOR WORKS AND NAVIGATION.

### MINOR WORKS AND NAVIGATION FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

*Capital Account.*

The capital expenditure was as follows :— Grant and outlay.

| Departmental heads. | Cost of construction as now estimated. | Final grant for 1898-99. | Outlay during 1898-99. | Total outlay to end of 1898-99. |
|---|---|---|---|---|
| *Direct Charges.* | RS. | RS. | RS. | RS. |
| Works ... ... ... ... ... ... | 1,46,43,869 | 3,15,813 | 2,86,595 | 1,38,65,478 |
| Establishment ... ... ... ... ... | 33,23,733 | 71,447 | 64,412 | 32,02,520 |
| Tools and plant ... ... ... ... ... | 2,76,608 | 4,244 | 2,891 | 2,66,809 |
| Total ... | 1,82,44,210 | 3,91,504 | 3,53,898 | 1,73,34,807 |
| Less receipts on Capital Account ... ... ... | 6,688 | ... | 195 | 7,352 |
| Net Total ... | 1,82,37,522 | 3,91,504 | 3,53,703 | 1,73,27,455 |
| *Indirect Charges.* | | | | |
| Capitalized abatement of land revenue ... ... | 6,71,982 | ... | 12,831 | 6,45,540 |
| Leave and pension allowances ... ... ... ... | 4,64,351 | ... | 9,062 | 4,89,875 |
| Total ... | 11,36,333 | ... | 21,893 | 11,35,415 |
| Grand Total ... | 1,93,73,855 | ... | 3,75,596 | 1,84,62,870 |

*Revenue Account.*

The charges on Revenue Account for the year were— Grant and outlay.

| Departmental heads. | Grant. | Outlay. | | |
|---|---|---|---|---|
| | | Gross. | Deduct old maintenance charges. | Net. |
| | RS. | RS. | RS. | RS. |
| Extensions and improvements ... ... ... ... | 23,887 | 28,328 | 6,120 | 22,208 |
| Maintenance and repairs ... ... ... ... | 2,37,296 | 2,41,949 | 6,264 | 2,35,685 |
| Establishment ... ... ... ... ... ... | 74,168 | 74,317 | 2,845 | 71,472 |
| Tools and plant ... ... ... ... ... ... | 2,844 | 3,423 | 125 | 3,298 |
| Total ... | 3,38,195 | 3,48,017 | 15,354 | 3,32,663 |
| Indirect charges ... ... ... ... ... ... | ... | 10,413 | 396 | 10,017 |
| Grand Total ... | ... | 3,58,430 | 15,750 | 3,42,680 |

The total area irrigated for first and second crops was 563,497 acres against 535,813 acres in the previous year. The total revenue derived was Rs. 20,99,836 and deducting the working expenses, which amounted to Rs. 4,09,252, the net revenue amounted to Rs. 16,90,584. Deducting the sum of Rs. 9,36,642 due to old irrigation, there was an increase of Rs. 7,53,942 against Rs. 7,52,758 in the previous year. No interest is charged to any of the works under this class, and the return shown against them is irrespective of interest charges. Area irrigated, revenue derived and financial results.

### GANJÁM MINOR RIVERS SYSTEM.

*Capital Account.*

An expenditure of Rs. 38,427 was incurred during the year against a grant of Rs. 38,606. The total capital outlay to the end of the year, including indirect charges, was Rs. 83,916. Grant and outlay.

*Revenue Account.*

Area irrigated and revenue derived.

The irrigated area and revenue compare as follows with those of the previous year :—

| — | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... | 55,937 | 48,656 | 7,156 | 55,812 | 1,11,904 |
| | 1897-98 ... ... ... | 56,450 | 49,740 | 6,531 | 56,271 | 1,12,455 |
| Second crop ... | 1898-99 ... ... ... | 4,995 | 233 | 4,762 | 4,995 | 9,379 |
| | 1897-98 ... ... ... | 6,270 | 312 | 5,958 | 6,270 | 11,529 |

Financial results.

The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 23,629 | 2,65,794 | Direct receipts in the Public Works department ... ... | 424 | 994 |
| Indirect charges ... ... ... | 623 | 6,965 | Irrigation revenue ... ... | 1,21,283 | 40,94,989 |
| Collection charges in the Civil department ... ... ... | 1,638 | 37,696 | Share of enhanced land revenue... | 6,906 | 2,29,020 |
| | | | Total receipts ... | 1,28,613 | 43,25,003 |
| Total expenditure and charges ... ... | 25,890 | 3,10,455 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... ... ... | 95,433 | 35,70,093 |
| Surplus revenue ... ... ... | 7,290 | 4,44,455 | | | |
| Total ... | 33,180 | 7,54,910 | Net Total ... | 33,180 | 7,54,910 |

The actual return was 8·69 per cent. on the capital outlay.

## MUNÉRU PROJECT.

*Capital Account.*

Grant and outlay.

A revised estimate amounting to Rs. 6,32,000, including indirect charges, and a supplemental estimate of Rs. 10,000 for land compensation were sanctioned during the year. The subjoined statement exhibits the capital outlay during, and up to the end of, the year :—

| — | Sanctioned estimate. | Grant for 1898-99. | Outlay during 1898-99. | Outlay to end of 1898-99. |
|---|---|---|---|---|
| | RS. | RS. | RS. | RS. |
| Direct charges ... ... ... ... ... ... | 6,14,000 | 50,680 | 50,256 | 4,99,634 |
| Indirect charges ... ... ... ... ... ... | 28,000 | ... | 9,712 | 21,306 |
| Total ... | 6,42,000 | ... | 59,968 | 5,20,940 |

The excavation of main channel with its extension was almost completed. The alignment, design and excavation of the distributaries, and the construction of seven head sluices and of several drops to distributaries were carried out during the year.

*Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived are shown below :—

| — | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| 1898-99 ... | First crop ... ... ... | 2,866 | 777 | 2,000 | 2,777 | 10,427 |
| | Second crop ... ... ... | 146 | ... | 146 | 146 | 304 |

## DONDAPAD TANK PROJECT.

### *Capital Account.*

The total capital outlay, including indirect charges to the end of the year, was Rs. 1,49,227. The project was fully completed during the year. Grant and outlay.

## SAGILERU 'UPPER PROJECT.'

### *Capital Account.*

The capital expenditure on the Sagileru Upper project was as follows :— Grant and outlay.

| — | Sanctioned estimate. | Grant for 1898-99. | Outlay during 1898-99. | Outlay to end of 1898-99. |
|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. |
| Direct charges ... ... ... ... ... ... | 4,31,000 | ... | 8,527 | 4,30,348 |
| Indirect charges ... ... ... ... ... ... | 19,000 | ... | 204 | 17,181 |
| Total ... | 4,50,000 | ... | 8,731 | 4,47,529 |

The project was practically completed by the end of the year under report. The results of the year show that the financial aspect of the project is fairly promising. In addition to the actual extension of area there has been an appreciable increase in the second crop cultivation. The actual return during the year comes to 1·11 per cent., and when full advantage is taken of the water to raise second crop and to convert dry land into wet, there should be a considerable further increase in revenue.

## CHOPAUD PROJECT.

### *Capital Account.*

An approximate estimate, amounting to Rs. 3,65,000, having been sanctioned by Government, this project was first undertaken as a famine-relief work in April 1897 and was stopped in October 1897 when the rains set in. In December 1897 the Government directed that the work should be proceeded with as an ordinary work, but the grant of Rs. 34,959 allotted for the work during the year had to be reduced to Rs. 1,658, as the work could not be executed for want of a proper estimate which was under preparation. An expenditure of Rs. 1,304 was incurred during the year on account of "Preliminary expenses" of the project. Estimate and outlay.

## CUMBUM TANK SYSTEM.

### *Capital Account.*

An outlay of Rs. 156 was incurred during the year on contructing a combined scouring sluice and bridge at site of the Sekrial Kuthwa. The total capital outlay on the system, including indirect charges to the end of the year, was Rs. 64,433. Total outlay.

### *Revenue Account.*

The area irrigated and revenue derived compare as follows with those of the previous year :— Area irrigated and revenue derived.

| — | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|
| | | Old irrigation. | New irrigation. | Total. | |
| | Acres. | Acres. | Acres. | Acres. | Rs. |
| First crop ... 1898-99 ... ... ... ... | 5,639 | 4,773 | 866 | 5,639 | 28,742 |
| First crop ... 1897-98 ... ... ... ... | 5,736 | 4,822 | 914 | 5,736 | 28,742 |
| Second crop ... 1898-99 ... ... ... ... | 4,987 | 2,769 | 2,218 | 4,987 | 13,649 |
| Second crop ... 1897-98 ... ... ... ... | 4,183 | 2,456 | ... | 2,456 | 7,434 |

Financial results.

The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 793 | 65,517 | Receipts in the Public Works department ... ... ... | ... | 1 |
| Indirect charges ... ... ... | 21 | 4,413 | Irrigation revenue ... ... | 42,391 | 8,37,745 |
| Collection charges in the Civil department ... ... ... | 632 | 9,934 | Share of land revenue ... ... | 538 | 10,557 |
| | | | Total receipts ... | 42,929 | 8,48,303 |
| Total expenditure and charges ... ... | 1,446 | 79,864 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 30,279 | 6,49,601 |
| Surplus revenue ... ... ... | 11,204 | 1,18,838 | | | |
| Total ... | 12,650 | 1,98,702 | Net Total ... | 12,650 | 1,98,702 |

The actual return was 17·39 per cent. on the capital outlay.

## THÁDAPALLI CHANNEL SYSTEM.

### *Capital Account.*

Grant and outlay.

Against a grant of Rs. 200 for works, an expenditure of Rs. 150 was incurred in constructing two cast-iron pipe sluices in Thádapalli channel. The total capital outlay, including indirect charges to the end of the year, amounted to Rs. 1,25,654. An estimate for re-sluicing the channel from the 19th to the 32nd miles was under preparation.

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived compare with those of the previous year as follows :—

| — | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 14,310 | 9,983 | 4,281 | 14,264 | 1,01,398 |
| | 1897-98 ... ... ... ... | 14,298 | 9,983 | 4,237 | 14,220 | 1,00,945 |
| Second crop ... | 1898-99 ... ... ... ... | 720 | 187 | 532 | 720 | 2,350 |
| | 1897-98 ... ... ... ... | 558 | 168 | 389 | 557 | 2,011 |

Financial results.

The following statement shows the financial results during, and to the end of, the year :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 8,989 | 3,16,986 | Direct receipts in the Public Works department ... ... ... | 542 | 1,370 |
| Indirect charges ... ... ... | 219 | 8,085 | Irrigation revenue ... ... ... | 1,03,748 | 40,54,900 |
| Collection charges in the Civil department ... ... ... | 1,510 | 44,451 | Share of land revenue ... ... | 2,629 | 90,592 |
| | | | Total receipts ... | 1,06,919 | 41,46,862 |
| Total expenditure and charges ... ... ... | 10,718 | 3,69,522 | | | |
| Surplus revenue ... ... ... | 20,030 | 5,20,859 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 76,171 | 32,56,481 |
| Total ... | 30,748 | 8,90,381 | Net Total ... | 30,748 | 8,90,381 |

The actual return was 15·94 per cent. on the capital outlay.

## ARKENKÓTA CHANNEL SYSTEM

### *Capital Account.*

No outlay was incurred on capital account of this system during the year. The total outlay including indirect charges remained as at the end of the previous year at Rs. 1,02,964. Total outlay.

### *Revenue Account.*

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :— Area irrigated and revenue derived.

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 4,144 | 2,652 | 1,492 | 4,144 | 27,678 |
| | 1897-98 ... ... ... ... | 4,128 | 2,648 | 1,457 | 4,105 | 27,809 |
| Second crop ... | 1898-99 ... ... ... ... | 51 | 7 | 44 | 51 | 152 |
| | 1897-98 ... ... ... ... | 29 | 7 | 22 | 29 | 93 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 4,505 | 2,50,536 | Direct receipts in the Public Works department ... ... | 51 | 117 |
| Indirect charges ... ... ... | 114 | 6,538 | Irrigation revenue ... ... | 27,830 | 9,46,756 |
| Collection charges in the Civil department ... ... ... ... | 446 | 13,660 | Share of land revenue ... ... | 332 | 10,482 |
| | | | Total receipts ... | 28,213 | 9,57,355 |
| Total expenditure and charges ... ... | 5,065 | 2,70,734 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... | 19,250 | 6,84,055 |
| Surplus revenue ... ... ... | 3,898 | 2,566 | | | |
| Total ... | 8,963 | 2,73,300 | Net Total ... | 8,963 | 2,73,300 |

The actual return was 3·78 per cent. on the capital outlay.

## KALINGARAYAN CHANNEL SYSTEM.

### *Capital Account.*

An expenditure of Rs. 12,918 on works on capital account was incurred during the year against a grant of Rs. 12,900 in re-sluicing the channel from head to 15 miles, and other improvements including revetting the banks where necessary and constructing a wooden foot-bridge over the Sannambuodai outlet. The total outlay, including indirect charges to the end of the year, was Rs. 79,991. Total outlay.

### *Revenue Account.*

The area irrigated and the revenue derived therefrom during the year compare with those of the previous year as shown below :— Area irrigated and revenue derived.

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 11,372 | 8,296 | 3,076 | 11,372 | 70,363 |
| | 1897-98 ... ... ... ... | 11,319 | 8,289 | 3,030 | 11,319 | 70,023 |
| Second crop ... | 1898-99 ... ... ... ... | 10,129 | 8,166 | 1,963 | 10,129 | 35,880 |
| | 1897-98 ... ... ... ... | 10,197 | 8,359 | 1,838 | 10,197 | 35,353 |

Financial results.

The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 10,041 | 5,04,115 | Direct receipts in the Public Works department ... ... | 531 | 2,435 |
| Indirect charges ... ... ... | 295 | 13,194 | Irrigation revenue ... ... | 1,06,243 | 39,64,243 |
| Collection charges in the Civil department ... ... . | 1,052 | 24,164 | Share of land revenue ... ... | 563 | 10,908 |
| Total expenditure and charges ... ... | 11,388 | 5,41,472 | Total receipts ... | 1,07,337 | 39,77,586 |
| Surplus revenue . ... ... | 10,175 | — 55,673 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 85,774 | 34,91,787 |
| Total | 21,563 | 4,85,799 | Net Total ... | 21,563 | 4,85,799 |

The actual return was 12·72 per cent. on the capital outlay.

## PÁLÁR ANICUT SYSTEM.

### *Capital Account.*

Area irrigated and revenue derived.

In June 1898 the sanction of the Secretary of State for India to the amount of Rs. 20,78,288 as the total expenditure on the completion of this system was communicated by the Government of India.

Grant and outlay.

The capital expenditure on the system during the year was as follows :—

| Departmental heads. | Grant for 1898-99. | Outlay during 1898-99. |
|---|---|---|
| | RS. | RS. |
| Direct charges ... ... ... ... ... ... | 8,046 | 3,792 |
| Indirect charges ... ... ... ... ... | ... | 2,354 |
| Total ... | ... | 6,146 |

The total capital outlay, including indirect charges to the end of the year, was Rs. 20,78,105.

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and the revenue derived therefrom during the year compare with those of the previous year as shown below :—

| — | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 77,159 | 53,134 | 23,679 | 76,813 | 2,13,779 |
| | 1897-98 ... ... ... ... | 76,231 | 52,222 | 22,462 | 74,684 | 2,05,952 |
| Second crop ... | 1898-99 ... ... ... ... | 29,963 | 15,787 | 14,132 | 29,919 | 62,120 |
| | 1897-98 ... ... ... ... | 23,274 | 15,122 | 8,014 | 23,136 | 48,070 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898 99. | To end of 1898 99. | Receipts. | During 1898 99. | To end of 1898 99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... | 39,708 | 18,04,638 | Direct receipts in the Public Works department ... | 850 | 24,199 |
| Indirect charges ... ... ... | 1,056 | 69,591 | Irrigation revenue | 2,75,899 | 74,08,786 |
| Collection charges in the Civil department ... ... ... | 8,372 | 2,09,759 | Share of land revenue ... | 16,536 | 5,60,959 |
| | | | Total receipts ... | 2,93,285 | 79,93,944 |
| Total expenditure and charges | 49,136 | 20,83,988 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... ... | 1,21,100 | 42,72,570 |
| Surplus revenue ... ... ... | 1,23,049 | 16,37,386 | | | |
| Total ... | 1,72,185 | 37,21,374 | Net Total ... | 1,72,185 | 37,21,374 |

The actual return was 5·92 per cent. on the capital outlay.

*General Remarks.*

Water passed over the crest of the Pálár anicut for 20 days.

## POINEY ANICUT SYSTEM.

*Capital Account.*

There was no outlay on capital account of this system during the year. The total capital outlay, including indirect charges, to the end of the year, was Rs. 2,31,696. Total outlay.

*Revenue Account.*

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :— Area irrigated and revenue derived.

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 23,302 | 15,644 | 7,650 | 23,294 | 76,154 |
| | 1897-98 ... ... ... ... | 22,452 | 15,785 | 6,631 | 22,416 | 72,795 |
| Second crop ... | 1898-99 ... ... ... ... | 6,935 | 2,392 | 4,541 | 6,933 | 17,905 |
| | 1897-98 ... ... ... ... | 5,795 | 2,441 | 3,350 | 5,791 | 14,541 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 6,047 | 5,57,223 | Direct receipts in the Public Works department ... ... ... | 131 | 3,735 |
| Indirect charges ... ... ... | 160 | 14,782 | Irrigation revenue ... ... | 94,059 | 24,83,815 |
| Collection charges in the Civil department ... ... ... | 2,751 | 68,015 | Share of land revenue ... ... | 5,083 | 1,57,670 |
| | | | Total receipts ... | 99,273 | 26,45,220 |
| Total expenditure and charges ... | 8,958 | 6,40,020 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 44,111 | 12,81,156 |
| Surplus revenue ... ... ... | 46,204 | 7,24,044 | | | |
| Total ... | 55,162 | 13,64,064 | Net Total ... | 55,162 | 13,64,064 |

The actual return was 19·95 per cent. on the capital outlay. Rs. 299 were spent on improvements. The maintenance and establishment charges were Rs. 4,607 and Rs. 1,141, respectively.

*General Remarks.*

Water passed over the crest of the Poiney anicut for 8 days.

## CHEYÁRU ANICUT SYSTEM.

*Capital Account.*

Total outlay.

There was no outlay under capital account of this system during the year. The total capital outlay, including indirect charges, to the end of the year, was Rs. 4,05,447.

*Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :—

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 22,298 | 16,023 | 6,259 | 22,282 | 69,385 |
| | 1897-98 ... ... ... .. | 21,396 | 13,785 | 5,918 | 19,703 | 56,721 |
| Second crop. | 1898-99 ... ... ... .. | 15,159 | 1,773 | 13,386 | 15,159 | 22,632 |
| | 1897-98 ... ... ... ... | 12,824 | 1,722 | 11,080 | 12,802 | 15,280 |

Financial results.

The following statement shows the financial results during, and to the end of, the year :—

| Expenditure. | During 1898-99. | To end of 1898 99. | Receipts. | During 1898 99. | To end of 1898 99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... ... | 17,643 | 6,23,633 | Direct receipts in the Public Works department ... | 371 | 2,322 |
| Indirect charges ... ... ... | 466 | 16,350 | Irrigation revenue ... ... | 92,017 | 22,72,114 |
| Collection charges in the Civil department ... ... ... ... | 2,556 | 52,467 | Share of land revenue ... | 3,515 | 1,23,057 |
| | | | Total receipts ... | 95,903 | 23,97,493 |
| Total expenditure and charges ... | 20,665 | 6,92,450 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... ... | 44,407 | 13,45,835 |
| Surplus revenue ... ... ... | 30,831 | 3,59,208 | | | |
| Total ... | 51,496 | 10,51,658 | Net Total ... | 51,496 | 10,51,658 |

The actual return was 7·60 per cent. on the capital outlay. Rs. 2,250, Rs. 12,063 and Rs. 3,330 were expended on improvements, maintenance and establishment, respectively.

*General Remarks.*

Water passed over the crest of the Cheyar anicut for 11 days.

## CHEMBRAMBÁKAM TANK.

*Capital Account.*

Total outlay.

Against a grant of Rs. 173, an expenditure of Rs. 173 was incurred in excavating channels from the new Bangaru channel to supply zamin lands of Peróyampet and Nedunjeri. The total capital outlay, including indirect charges, to the end of the year, was Rs. 7,47,099.

*Revenue Account.*

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :— Area irrigated and revenue derived.

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... | 12,987 | 11,538 | 1,414 | 12,952 | 40,523 |
| | 1897-98 ... ... ... | 13,061 | 10,167 | 1,538 | 11,705 | 33,422 |
| Second crop ... | 1898-99 ... ... ... | 2,780 | 1,171 | 1,609 | 2,780 | 5,829 |
| | 1897-98 ... ... ... | 4,116 | 1,118 | 2,868 | 3,986 | 10,198 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 5,184 | 2,66,886 | Direct receipts in the Public Works department ... ... ... | 44 | 1,444 |
| Indirect charges ... ... ... | 136 | 11,682 | Irrigation revenue ... ... ... | 46,352 | 12,05,902 |
| Collection charges in the Civil department ... ... ... | 1,551 | 47,080 | Share of enhanced land revenue ... | 661 | 17,241 |
| Total expenditure and charges ... | 6,871 | 3,25,648 | Total receipts ... | 47,057 | 12,24,587 |
| Surplus revenue ... ... ... | 31,086 | 6,63,703 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 9,100 | 2,35,236 |
| Total ... | 37,957 | 9,89,351 | Net Total ... | 37,957 | 9,89,351 |

The actual return was 4·16 per cent. on the capital outlay.

## MADRAS WATER-SUPPLY AND IRRIGATION EXTENSION.

*Capital Account.*

There was no outlay on Capital Account of this system during the year. The total outlay, including indirect charges, to the end of the previous year was Rs. 17,54,045. Total outlay.

*Revenue Account.*

The area irrigated and revenue derived compare with those of the previous year as follows :— Area irrigated and revenue derived.

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 7,450 | 5,566 | 1,884 | 7,450 | 17,046 |
| | 1897-98 ... ... ... .. | 7,541 | 5,564 | 1,977 | 7,541 | 17,403 |
| Second crop ... | 1898-99 ... ... ... ... | 2,371 | 748 | 1,623 | 2,371 | 3,991 |
| | 1897-98 ... ... ... ... | 2,846 | 776 | 2,070 | 2,846 | 4,832 |

Financial results.

The following statement shows the financial results during, and to the end of, the year :—

| Expenditure. | During 1898 99. | To end of 1898 99 | Receipts. | During 1898 99. | To end of 1898 99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| Direct charges .. ... | 11,369 | 6,14,416 | Direct receipts in the Public Works department | 18,168 | 2,47,353 |
| Indirect charges .. | 503 | 21,137 | Irrigation revenue | 21,037 | 5,21,788 |
| Collection charges in the Civil department .. | 528 | 14,539 | Share of enhanced land revenue . | 516 | 11,406 |
| | | | Total receipts .. | 39,721 | 7,80,547 |
| Total expenditure and charges ... | 12,400 | 6,50,092 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges .. | 6,200 | 1,42,822 |
| Surplus revenue ... .. . | 21,121 | — 12,367 | | | |
| Total .. | 33,521 | 6,37,725 | Net Total . | 33,521 | 6,37,725 |

The actual return was 1·21 per cent. on the capital outlay.

## VALLÚRU ANICUT SYSTEM.

### *Capital Account.*

Total outlay.

Against a grant of Rs. 860, an expenditure of Rs. 770 was incurred. The total capital outlay, including indirect charges, to the end of the year, amounted to Rs. 65,536.

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :—

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 5,176 | 3,977 | 1,199 | 5,176 | 8,166 |
| | 1897-98 ... ... ... ... | 5,173 | 3,893 | 1,166 | 5,059 | 7,877 |
| Second crop. | 1898-99 ... ... ... ... | 242 | 9 | 233 | 242 | 569 |
| | 1897-98 ... ... ... ... | 247 | 16 | 231 | 247 | 509 |

Financial results.

The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 847 | 35,431 | Direct receipts in the Public Works department ... ... ... | 21 | 90 |
| Indirect charges ... ... ... | 22 | 927 | Irrigation revenue ... ... ... | 8,735 | 1,79,613 |
| Collection charges in the Civil department ... ... ... | 231 | 3,967 | Share of enhanced land revenue ... | 1,102 | 21,788 |
| | | | Total receipts ... | 9,858 | 2,01,491 |
| Total expenditure and charges ... | 1,100 | 40,325 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 5,225 | 1,22,076 |
| Surplus revenue ... ... | 3,533 | 39,090 | | | |
| Total ... | 4,633 | 79,415 | Net Total ... | 4,633 | 79,415 |

The actual return was 5·39 per cent. on the capital outlay.

## TIRUKKÓYILÚR ANICUT SYSTEM.

### *Capital Account.*

Total outlay.

There was no expenditure on the Capital Account of this system during the year. The total expenditure, including indirect charges, to the end of the previous year, was Rs. 2,54,470.

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :—

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... | 22,988 | 15,975 | 6,904 | 22,879 | 84,563 |
| | 1897-98 ... ... ... | 23,229 | 15,790 | 7,121 | 22,911 | 84,487 |
| Second crop ... | 1898-99 ... ... | 2,887 | . . | 2,887 | 2,887 | 8,688 |
| | 1897-98 ... ... | 3,122 | ... | 3,111 | 3,111 | 9,339 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 19,288 | 4,21,632 | Direct receipts in the Public Works department ... . . ... | 645 | 4,704 |
| Indirect charges ... ... ... | 512 | 11,088 | Irrigation revenue ... ... ... | 93,231 | 24,41,071 |
| Collection charges in the Civil department ... ... ... | 1,841 | 42,658 | Share of enhanced land revenue. | 3,175 | 85,446 |
| | | | Total receipts ... | 97,051 | 25,31,221 |
| Total expenditure and charges ... | 21,641 | 4,75,378 | Deduct portion of revenue assumed to be due to 'old irrigation' less | | |
| Surplus revenue ... ... ... | 15,826 | 3,82,514 | old maintenance charges ... | 59,584 | 16,73,329 |
| Total ... | 37,467 | 8,57,892 | Net Total ... | 37,467 | 8,57,892 |

The actual return was 6·22 per cent. on the capital outlay.

## MEHMATTUR ANICUT SYSTEM.

### *Capital Account.*

No outlay was incurred during the year on the Capital Account of this system. The total outlay including indirect charges to the end of the previous year was Rs. 71,047. Total outlay.

### *Revenue Account.*

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :— Area irrigated and revenue derived.

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... | 3,769 | 984 | 2,783 | 3,767 | 15,325 |
| | 1897-98 ... ... ... | 3,915 | 460 | 3,455 | 3,955 | 15,984 |
| Second crop .. | 1898-99 ... ... ... | 155 | ... | 155 | 155 | 520 |
| | 1897-98 ... ... ... | 105 | ... | 105 | 105 | 371 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99 | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 8,656 | 1,40,573 | Receipts in the Public Works department ... ... ... | 38 | 299 |
| Indirect charges ... ... ... | 227 | 3,702 | Irrigation revenue ... ... ... | 15,845 | 2,73,493 |
| Collection charges in the Civil department ... ... ... | 596 | 11,377 | Share of enhanced land revenue ... | 22 | 1,916 |
| | | | Total receipts ... | 15,905 | 2,75,708 |
| Total expenditure and charges. | 9,479 | 1,55,652 | | | |
| | | | Deduct portion of revenue assumed | | |
| Surplus revenue ... ... ... | 2,489 | 72,183 | to be due to 'old irrigation' less old maintenance charges ... | 3,937 | 47,873 |
| Total ... | 11,968 | 2,27,835 | Net Total ... | 11,968 | 2,27,835 |

The actual return was 3·50 per cent. on the capital outlay.

## VRIDDHÁCHALAM ANICUT SYSTEM.

### *Capital Account.*

Total outlay.

There was no expenditure on the Capital Account of this system during the year. The total expenditure including indirect charges remained, as at the end of the previous year, at Rs. 49,737.

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :—

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... | 6,758 | 2,384 | 4,233 | 6,617 | 24,931 |
| | 1897-98 ... ... ... | 6,118 | 2,279 | 3,838 | 6,117 | 22,855 |
| Second crop ... | 1898-99 ... ... ... | 678 | 5 | 672 | 677 | 1,951 |
| | 1897-98 ... ... ... | 405 | ... | 405 | 405 | 1,333 |

Financial results.

The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... .. | 4,941 | 1,35,641 | Direct receipts in the Public Works department ... ... | 298 | 909 |
| Indirect charges ... ... ... | 133 | 3,583 | Irrigation revenue ... ... | 26,882 | 5,31,634 |
| Collection charges in the Civil department ... ... ... | 918 | 18,264 | Share of enhanced land revenue ... | 251 | 12,505 |
| Total expenditure and charges. | 5,992 | 1,57,488 | | | |
| | | | Total receipts ... | 27,431 | 5,45,048 |
| Surplus revenue ... ... ... | 12,665 | 2,08,708 | | | |
| | | | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... | 8,774 | 1,78,852 |
| Total ... | 18,657 | 3,66,196 | Net Total ... | 18,657 | 3,66,196 |

The actual return was 25·46 per cent. on the capital outlay.

## SHATIATOPE ANICUT SYSTEM.

### *Capital Account.*

Total outlay.

Against a grant of Rs. 43,783 for the year, an expenditure of Rs. 44,353 was incurred on Capital Account of the system. The total outlay, including indirect charges to the end of the year, was Rs. 2,28,583. A revised estimate amounting to Rs. 88,400 from direct charges for improving the anicut was sanctioned in September 1898.

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :—

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... | 28,977 | 6,902 | 21,274 | 28,176 | 94,519 |
| | 1897-98 ... ... ... | 30,289 | 7,037 | 21,985 | 29,022 | 97,901 |
| Second crop ... | 1898-99 ... ... ... | 5,775 | ... | 5,775 | 5,775 | 16,427 |
| | 1897-98 ... ... ... | 4,758 | ... | 4,690 | 4,690 | 13,717 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898 99. | To end of 1898 99. | Receipts. | During 1898 99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| Direct charges . . | 8,949 | 5,18,931 | Direct receipts in the Public Works department .. .. | 501 | 2,249 |
| Indirect charges ... | 240 | 13,600 | Irrigation revenue ... | 1,10,946 | 25,97,008 |
| Collection charges in the Civil department ... . . | 5,358 | 1,39,893 | Share of enhanced land revenue. | 15,332 | 7,60,666 |
| Total expenditure and charges ... ... | 14,547 | 6,72,424 | Total receipts .. | 1,26,779 | 33,59,923 |
| | | | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... .. . | 19,120 | 5,59,825 |
| Surplus revenue ... ... | 93,112 | 21,27,674 | | | |
| Total ... | 1,07,659 | 28,00,098 | Net Total ... | 1,07,659 | 28,00,098 |

The actual return was 40·73 per cent. on the capital outlay.

## PELANDORAI ANICUT SYSTEM.

### *Capital Account.*

Against a grant of Rs. 26,500 an outlay of Rs. 26,635 was incurred. The total capital outlay including indirect charges to the end of the year was Rs. 5,85,639. The work of lowering the anicut and fitting it with 6 feet girder shutters, for which a revised estimate of Rs. 1,02,400 was sanctioned in January 1899, was almost completed. The shutters were all fitted by the beginning of August 1898 and worked satisfactorily during the season. Total outlay.

### *Revenue Account.*

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :— Area irrigated and revenue derived.

| | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|
| | | Old irrigation. | New irrigation. | Total. | |
| | Acres. | Acres. | Acres. | Acres. | Rs. |
| First crop ... 1898-99 ... ... ... | 9,573 | 2,069 | 7,462 | 9,531 | 34,246 |
| First crop ... 1897-98 ... ... ... | 9,952 | 2,016 | 7,844 | 9,860 | 34,468 |
| Second crop ... 1898-99 ... ... ... | 377 | 83 | 294 | 377 | 1,022 |
| Second crop ... 1897-98 ... ... ... | 353 | 81 | 271 | 352 | 1,006 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| Direct charges .. ... ... | 12,299 | 4,75,496 | Direct receipts in the Public Works department ... ... | 996 | 3,155 |
| Indirect charges ... ... ... | 335 | 17,891 | Irrigation revenue ... ... | 35,268 | 4,01,065 |
| Collection charges in the Civil department ... ... ... | 1,616 | 17,274 | Share of enhanced land revenue. | 60 | 2,866 |
| | | | Total receipts ... | 36,324 | 4,07,086 |
| Total expenditure and charges ... | 14,250 | 5,10,061 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges. | 2,850 | 70,693 |
| Surplus revenue ... ... ... | 19,224 | —1,73,668 | | | |
| Total ... | 33,474 | 3,36,393 | Net Total | 33,474 | 3,36,393 |

The actual return was 3·28 per cent. on the capital outlay. Rs. 2,327 was spent on extensions, Rs. 7,490 on maintenance, and Rs. 2,338 on establishment.

## LOWER COLEROON ANICUT SYSTEM.

### *Capital Account.*

Grant and outlay.

The capital expenditure on the system was as follows :—

| — | Sanctioned estimate. | Grant for 1898-99. | Outlay during 1898-99. | Total outlay to end of 1898-99. |
|---|---|---|---|---|
| | RS. | RS. | RS. | RS. |
| Direct charges ... ... ... .. ... .. | 13,55,090 | 1,32,547 | 1,25,809 | 9,12,138 |
| Indirect charges . . .. ... ... ... | 27,000 | .. | 5,334 | 27,206 |
| Total ... | 13,82,090 | ... | 1,31,143 | 9,39,344 |

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :—

| — | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|
| | | Old irrigation. | New irrigation. | Total. | |
| | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... 1898-99 ... ... ... | 108,127 | 44,393 | 62,940 | 107,333 | 3,79,906 |
| First crop ... 1897-98 ... ... ... | 108,988 | 44,480 | 64,487 | 108,967 | 3,85,133 |
| Second crop .. 1898-99 ... ... ... | 5,547 | 158 | 5,382 | 5,540 | 15,918 |
| Second crop .. 1897-98 ... ... ... | 3,985 | 157 | 3,814 | 3,971 | 12,175 |

Financial results.

The subjoined statement exhibits the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... | 23,723 | 10,94,233 | Direct receipts in the Public Works department ... ... | 1,600 | 10,442 |
| Indirect charges ... ... | 574 | 31,637 | Irrigation revenue ... ... | 3,95,824 | 1,47,03,690 |
| Collection charges in the Civil department ... ... | 14,670 | 5,54,020 | Share of enhanced land revenue ... ... ... ... | 52,909 | 23,41,007 |
| Total expenditure and charges ... ... | 38,967 | 16,79,890 | Total receipts ... | 4,50,333 | 1,70,55,139 |
| Surplus revenue ... ... | 2,56,032 | 94,10,951 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... | 1,55,334 | 59,64,298 |
| Total ... | 2,94,999 | 1,10,90,841 | Net Total ... | 2,94,999 | 1,10,90,841 |

The actual return was 27·26 per cent. on the capital outlay. Maintenance and establishment charges amounted to Rs. 15,800 and Rs. 4,102, respectively.

### *General Remarks.*

Coleroon banks.

Two alternative estimates with level sections were prepared by the Superintending Engineer on Special Duty for raising the banks below the lower anicut to sea with two diversions on the left bank and two on the right; as also a third estimate for the same with elaborate thorough re-alignment of the river below Anikaranchatram bridge. Statements of lands to be acquired have been completed. Plans and estimates for improving and re-constructing the masonry works on the banks have been prepared. Levels have been taken and plans and estimates prepared for constructing two flood escapes higher up—one in the 42nd mile and the other in the 55th mile.

## NANDYAR CHANNEL.

### *Capital Account.*

Total outlay.

There was no expenditure on Capital Account of this system during the year. The total outlay including indirect charges to the end of the previous year was Rs. 55,708.

### *Revenue Account.*

Area irrigated and revenue derived.

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :—

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 4,857 | 4,615 | 242 | 4,857 | 15,088 |
| | 1897-98 ... ... ... ... | 4,928 | 4,630 | 259 | 4,889 | 14,892 |
| Second crop ... | 1898-99 ... ... ... ... | 2,341 | 1,356 | 985 | 2,341 | 4,728 |
| | 1897-98 ... ... ... ... | 2,306 | 1,199 | 1,088 | 2,287 | 5,212 |

The following statement shows the financial results during, and to the end of, the year :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... ... | 3,536 | 10,435 | Direct receipts in the Public Works department .. ... | 63 | 153 |
| Indirect charges ... ... | 74 | 212 | Irrigation revenue ... .. | 19,816 | 71,010 |
| Collection charges in the Civil department ... ... ... | 146 | 229 | Share of land revenue . | 10 | 58 |
| | | | Total receipts ... | 19,889 | 71,221 |
| Total expenditure and charges ... ... | 3,756 | 10,876 | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... | 16,908 | 66,484 |
| Deficit ... ... ... ... | — 775 | — 6,139 | | | |
| Total ... | 2,981 | 4,737 | Net Total ... | 2,981 | 4,737 |

The working expenses exceeded the revenue by Rs. 775.

## MARUDÚR ANICUT SYSTEM.

### *Capital Account.*

No expenditure was incurred during the year against the Capital Account of this system. The total outlay including indirect charges stood as at the end of the previous year at Rs. 44,805. Total outlay.

### *Revenue Account.*

The area irrigated and revenue derived therefrom compare as follows with those of the previous year :— Area irrigated and revenue derived.

| | | Area occupied. | Area charged as irrigated. | | | Irrigation revenue. |
|---|---|---|---|---|---|---|
| | | | Old irrigation. | New irrigation. | Total. | |
| | | ACRES. | ACRES. | ACRES. | ACRES. | RS. |
| First crop ... | 1898-99 ... ... ... ... | 17,578 | 16,887 | 649 | 17,536 | 1,18,199 |
| | 1897-98 ... ... ... ... | 17,504 | 16,906 | 600 | 17,506 | 1,18,046 |
| Second crop ... | 1898-99 ... ... ... ... | 17,568 | 540 | 17,028 | 17,568 | 68,653 |
| | 1897-98 ... ... ... ... | 16,629 | 449 | 16,180 | 16,629 | 68,932 |

The following statement shows the financial results :— Financial results.

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | | RS. | RS. |
| Direct charges ... ... | 16,998 | 3,99,605 | Direct receipts in the Public Works department ... ... | 133 | 2,978 |
| Indirect charges ... ... | 429 | 10,905 | Irrigation revenue ... ... | 1,86,852 | 49,34,460 |
| Collection charges in the Civil department ... ... | 3,606 | 93,316 | Share of enhanced land revenue. | 261 | 5,297 |
| Total expenditure and charges ... ... | 21,033 | 5,03,826 | Total receipts ... | 1,87,246 | 49,42,735 |
| | | | Deduct portion of revenue assumed to be due to 'old irrigation' less old maintenance charges ... ... | 1,14,993 | 30,73,444 |
| Surplus revenue ... ... | 51,220 | 13,65,465 | | | |
| Total ... | 72,253 | 18,69,291 | Net Total ... | 72,253 | 18,69,291 |

The actual return was 114·32 per cent. on the capital outlay.

## CHILKA LAKE CANAL (TIDAL).

### *Capital Account.*

Total outlay. There was no expenditure on Capital Account of this canal during the year. The total outlay remained as at the end of the previous year at Rs. 31,027.

### *Revenue Account.*

Grant and outlay. The expenditure under this head was Rs. 607 against a grant of Rs. 610.

## BUCKINGHAM CANAL (NAVIGATION).

### *Capital Account.*

Grant and outlay. In August 1898 the Government of India sanctioned the schedule amounting to Rs. 32,100 of further outlay required to be incurred on the canals. The expenditure was as follows :—

| — | Grant for 1898-99. | Outlay during 1898-99. | Outlay to end of 1898-99. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Direct charges ... ... ... .. ... | 17,990 | 16,681 | 84,72,506 |
| Indirect charges ... ... ... ... ... | ... | 470 | 4,86,961 |
| Total ... | ... | 17,151 | 89,59,467 |

Progress of works. The construction of four pairs of lock-gates in the north and south sections and an outlet in the 89th mile was in progress. The lock-gates were completed. The extension of the flush escape in the 76/4 mile canal Eastern side was carried out. The total outlay on annual maintenance was Rs. 76,585. Taking away the approximate cost of repairing flood damages, viz., Rs. 7,000, the ordinary maintenance charges amounted to Rs. 1,69,585. New ferries for Siddavaram, Musi and Gundlacamma were constructed. The total receipts were Rs. 1,04,156 against Rs. 99,394 in the preceding year.

### *Revenue Account.*

Financial results. The following statement shows the financial results :—

| Expenditure. | During 1898-99. | To end of 1898-99. | Receipts. | During 1898-99. | To end of 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| Direct charges ... ... ... | 1,08,930 | 31,70,323 | Direct receipts— | | |
| Indirect charges ... ... ... | 3,962 | 1,02,028 | Navigation receipts ... ... | 1,03,191 | 17,52,302 |
| | | | Miscellaneous receipts ... | 1,126 | 14,57,107 |
| Total expenditure ... | 1,12,892 | 32,72,351 | Total ... | 1,04,317 | 32,09,409 |
| Deficit ... ... ... ... | 8,736 | 80,949 | Deduct refunds of revenue ... | 161 | 18,007 |
| Net Total ... | 1,04,156 | 31,91,402 | Net Total ... | 1,04,156 | 31,91,402 |

The financial result of the year was a deficit of Rs. 8,736.

### *General Remarks.*

In the Buckingham Canal there were three floods—the first on the 7th November, the second on the 1st December and the third on the 26th December 1898. The banks were breached in different places, chiefly the Pálár flood embankment, Swarnamuki diversion, Salla calva and Kortelliar river at Ennore. There was a considerable diminution of traffic owing to a fall in the imports of salt, indigo and coal, and to the Bezwada-Madras Railway having come into working.

## VÉDÁRANNIYAM CANAL (TIDAL).

*Revenue Account.*

Against a grant of Rs. 3,974 an outlay of Rs. 4,229 was incurred. The net charge to the Public Works Department after debiting Local funds with the moiety of the difference between the traffic receipts and the cost of maintenance of the canal was Rs. 3,018. Maintenance and repairs.

## GANJÁM-GOPALPUR CANAL.

*Capital Account.*

Nothing was done during the year on this canal. It was put in hand in January 1889 owing to scarcity in the Ganjám district and was stopped in November 1890, as it was no longer required for famine-relief purposes and as the advantages to be gained from completing it were not commensurate with the probable cost. The canal is nearly filled up again with blown sand and earth washed down from the spoil banks. The total capital outlay, including indirect charges to the end of the year, was Rs. 1,55,493. Total outlay.

## PROVINCIAL—MINOR WORKS AND NAVIGATION.

### MINOR WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.

The grants and outlay under this head compare as follow:— Grant and outlay.

| — | Grant for 1898-99. Budget. | Grant for 1898-99. Final. | Outlay during 1898-99. |
|---|---|---|---|
| *Ordinary works.* | RS. | RS. | RS. |
| Minor Works, Public Works department— | | | |
| Original works— | | | |
| Major ... ... ... ... ... ... ... ... | 82,480 | 1,17,800 | 1,14,658 |
| Minor ... ... ... ... ... ... ... ... | 1,27,295 | 1,53,924 | 1,01,797 |
| Repairs ... ... ... ... ... ... ... ... | 3,85,700 | 4,03,691 | 4,00,392 |
| Establishment ... ... ... ... ... ... ... | 1,37,859 | 1,56,046 | 1,36,392 |
| Tools and plant ... ... ... ... ... ... ... | 8,932 | 10,130 | 9,595 |
| Total ... | 7,42,266 | 8,41,591 | 7,62,834 |
| Minor Works, Revenue department—* | | | |
| Original works ... ... ... ... ... ... ... | 28,112 | 24,694 | 21,172 |
| Repairs ... ... ... ... ... ... ... ... | ... | 16,617 | 17,072 |
| Establishment ... ... ... ... ... ... ... | 6,466 | 9,501 | 8,784 |
| Tools and plant ... ... ... ... ... ... ... | 422 | 618 | 576 |
| Total ... | 35,000 | 51,430 | 47,604 |
| *Old Maintenance Charges.* | | | |
| Original works ... ... ... ... ... ... ... | 10,381 | 10,381 | 10,381 |
| Repairs ... ... ... ... ... ... ... ... | 1,42,850 | 1,42,850 | 1,42,850 |
| Establishment ... ... ... ... ... ... ... | 2,83,975 | 2,85,379 | 2,81,893 |
| Tools and plant ... ... ... ... ... ... ... | 1,868 | 1,868 | 1,868 |
| Total ... | 4,39,074 | 4,40,478 | 4,36,992 |
| *Tank Restoration Works.* | | | |
| Repairs ... ... ... ... ... ... ... ... | 3,32,169 | 2,60,794 | 2,65,885 |
| Establishment ... ... ... ... ... ... ... | 76,399 | 59,982 | 60,690 |
| Tools and plant ... ... ... ... ... ... ... | 4,982 | 3,912 | 3,959 |
| Total ... | 4,13,550 | 3,24,688 | 3,30,534 |
| Grand Total ... | 16,29,890 | 16,58,187 | 15,77,964 |

* Represents only outlay incurred in the Public Works department.

The total area charged as irrigated for first and second crops under, and the revenue derived from (1) class III, Minor Works and Navigation for which neither Capital nor Revenue Accounts are kept, but for which continuous records of expenditure and revenue are maintained individually, and (2) class IV, other Minor Works for which neither Capital nor Revenue nor individual Accounts are kept, are compared below, with those of the previous year:— Area irrigated and revenue derived.

| | Area irrigated. | | Irrigation revenue. | |
|---|---|---|---|---|
| | 1898-99. | 1897-98. | 1898-99. | 1897-98. |
| | ACRES. | ACRES. | RS. | RS. |
| Class III—Minor Works and Navigation for which neither Capital nor Revenue Accounts are kept, but for which continuous records of expenditure and revenue are maintained individually ... ... ... ... ... ... ... | 175,672 | 176,971 | 7,06,970 | 7,02,450 |
| Class IV—Other Minor Works for which neither Capital nor Revenue nor individual Accounts are kept— | | | | |
| (*a*) In charge of Public Works Department ... ... | 1,391,109 | 1,262,136 | 40,26,655 | 36,28,779 |
| (*b*) In charge of Revenue Department ... ... ... | 1,783,779 | 1,691,902 | 42,58,496 | 39,63,146 |
| Total ... | 3,350,560 | 3,131,009 | 89,92,121 | 82,94,375 |

Total receipts compared with charges.

The total irrigation revenue derived from works falling under classes III and IV, together with the miscellaneous revenue collected in the Public Works Department, was Rs.89,98,980, and the total charges incurred on these works amounted to Rs. 20,13,671, viz., Rs. 16,19,100, in the Public Works Department and Rs. 3,94,571 in the Revenue Department, leaving Rs. 69,85,309 as the net revenue.

Area, revenue and expenditure by districts.

The following statement shows the area irrigated under, and the irrigation revenue derived from, Minor Works for which neither Capital nor Revenue Accounts are kept, during the fasli year 1308, and the expenditure incurred on them during the official year 1898-99 :—

| | Area charged as irrigated and revenue derived during the fasli year 1308 (1898-99). | | | Outlay during the official year 1898-99. | | | | |
|---|---|---|---|---|---|---|---|---|
| | Area. | | Total irrigation revenue. | Works. | Repairs. | Establishment. | Tools and plant. | Total. |
| | First crop. | Second crop. | | | | | | |
| PROVINCIAL. | ACRES. | ACRES. | RS. | RS. | RS. | RS. | RS. | RS. |
| CLASS III. | | | | | | | | |
| *Minor Works and Navigation for which neither Capital nor Revenue Accounts are kept, but for which continuous records of expenditure and revenue are maintained individually.* | | | | | | | | |
| Vizagapatam. | | | | | | | | |
| Sárada river, six anicuts ... | 12,192 | 8,816 | 32,138 | 964 | 2,260 | 1,349 | 88 | 7,300 |
| Varaha river, four do. ... | 7,053 | 5,949 | 23,702 | 71 | 2,568 | | | |
| Salem. | | | | | | | | |
| Pennagundápuram tank ... | 436 | 427 | 1,470 | 247 | 65 | 194 | 13 | 1,052 |
| Marandahully ... ... ... | | | | 300 | 233 | | | |
| Coimbatore. | | | | | | | | |
| Amarávati, twenty-two channels. | 26,450 | 19,205 | 1,47,620 | 40 | 2,187 | 512 | 33 | 2,772 |
| Chinglepnt. | | | | | | | | |
| Madurántakam tank ... ... | 6,165 | 1,406 | 15,217 | 101 | 4,331 | 1,019 | 66 | 5,517 |
| South Arcot. | | | | | | | | |
| Myorenadi, Kattumailúr anicut. | 494 | 69 | 2,369 | ... | ... | 2,026 | 132 | 10,967 |
| Gadilam river— | | | | | | | | |
| Tiruvádi anicut. | 6,657 | 2,217 | 35,830 | ... | ... | | | |
| Vánamádévi do. | 784 | 205 | 4,867 | 175 | 3,071 | | | |
| Tiruvéndipuram do. | 1,999 | 698 | 11,065 | ... | 745 | | | |
| Kullár river, Vikravándi do. | 2,291 | 201 | 8,347 | —1,014 | 5,832 | | | |
| Tinnevelly. | | | | | | | | |
| Támbraparni, six anicuts ... | 37,318 | 34,640 | 4,24,345 | 2,401 | 12,857 | 3,509 | 229 | 18,996 |
| Total, Class III Works ... | 101,839 | 73,833 | 7,06,970 | 3,285 | 34,149 | 8,609 | 561 | 46,604 |

| | Area charged as irrigated and revenue derived during the fasli year 1308 (1898-99). | | | Outlay during the official year 1898-99. | | | | |
|---|---|---|---|---|---|---|---|---|
| | Area. | | Total irrigation revenue. | Works. | Repairs. | Establishment. | Tools and plant. | Total. |
| | First crop. | Second crop. | | | | | | |
| CLASS IV. | ACRES. | ACRES. | RS. | RS. | RS. | RS. | RS. | RS. |
| *Other Minor works for which neither Capital nor Revenue nor individual accounts are kept.* | | | | | | | | |
| (a) In charge of Public Works Department. | | | | | | | | |
| Ganjám ... ... ... ... | 48,919 | 1,882 | 73,850 | 12,694 | 6,961 | 4,520 | 295 | 24,470 |
| Vizagapatam ... ... ... | 31,426 | 31,482 | 1,15,674 | 10,136 | 17,047 | 6,242 | 407 | 33,832 |
| Gódávari ... ... ... | 48,919 | 1,448 | 95,581 | 6,694 | 32,674 | 9,243 | 714 | 49,325 |
| Kistna ... ... ... ... | 13,804 | ... | 39,221 | 26,201 | 16,079 | 8,930 | 1,199 | 52,409 |
| Nellore ... ... ... ... | 93,217 | 7,755 | 3,48,476 | 9,115 | 25,972 | 7,853 | 512 | 43,452 |
| Cuddapah ... ... ... | 58,861 | 27,529 | 2,77,621 | 20,501 | 34,500 | 11,979 | 781 | 67,761 |
| Kurnool ... ... ... ... | 20,872 | 4,364 | 75,615 | 12,163 | 12,470 | 5,686 | 370 | 30,689 |
| Anantapur ... ... ... | 44,483 | 10,465 | 1,67,542 | 36,768 | 48,102 | 17,723 | 1,150 | 1,03,743 |
| Bellary ... ... ... ... | 31,332 | 8,349 | 1,90,376 | | | | | |
| West Coast ... ... ... | ... | ... | ... | ... | 3,331 | 766 | 50 | 4,147 |
| Salem ... ... ... ... | 26,209 | 24,535 | 1,03,324 | 2,104 | 34,760 | 8,538 | 553 | 45,955 |
| Coimbatore ... ... ... | 38,722 | 13,971 | 1,87,545 | 19,636 | 16,135 | 8,222 | 533 | 44,526 |
| North Arcot ... ... ... | 63,031 | 29,737 | 2,61,070 | 8,021 | 54,565 | 14,311 | 932 | 77,829 |
| Chingleput ... ... ... | 231,954 | 65,206 | 6,38,035 | 6,600 | 98,670 | 24,201 | 1,578 | 1,31,049 |
| South Arcot ... ... ... | 85,929 | 19,532 | 3,42,587 | 20,630 | 63,196 | 18,582 | 1,210 | 1,03,618 |
| Tanjore ... ... ... ... | 19,863 | 2,577 | 51,257 | 81 | 15,852 | 3,550 | 231 | 19,714 |
| Trichinopoly ... ... ... | 80,132 | 32,436 | 4,47,444 | 8,165 | 23,911 | 7,285 | 473 | 39,854 |
| Madura ... ... ... ... | 46,661 | 19,131 | 2,08,978 | 6,695 | 52,438 | 12,940 | 842 | 72,915 |
| Tinnevelly ... ... ... | 63,709 | 42,327 | 4,02,469 | 6,946 | 75,465 | 17,902 | 1,163 | 1,01,476 |
| Total ... | 1,048,403 | 342,706 | 40,26,655 | 2,13,170 | 6,32,128 | 1,88,473 | 12,993 | *10,46,764 |
| (b) In charge of the Revenue Department. | | | | | | | | |
| Ganjám ... ... ... ... | 61,281 | 4,325 | 74,502 | 972 | 18,000 | 224 | 15 | 19,211 |
| Vizagapatam ... ... ... | 42,451 | 35,183 | 1,02,809 | 5,467 | 15,743 | 1,440 | 94 | 22,744 |
| Gódávari ... ... ... | 50,636 | 1,467 | 82,046 | 314 | 14,391 | 99 | 6 | 14,810 |
| Kistna ... ... ... ... | 25,873 | 388 | 83,059 | 322 | 20,810 | 74 | 5 | 21,211 |
| Nellore ... ... ... ... | ... | ... | ... | 1,980 | 16,180 | 455 | 30 | 18,583 |
| Cuddapah ... ... ... | 35,357 | 7,313 | 1,22,720 | ... | 22,010 | 197 | 13 | 22,220 |
| Anantapur ... ... ... | 128,662 | 41,715 | 4,14,223 | ... | 27,685 | ... | ... | 27,685 |
| Kurnool ... ... ... ... | 20,381 | 7,553 | 65,089 | ... | 8,701 | 587 | 38 | 9,326 |
| Bellary ... ... ... ... | 70,242 | 23,269 | 2,15,431 | ... | 16,317 | 1,113 | 73 | 17,503 |
| Malabar ... ... ... ... | ... | ... | ... | ... | 25 | ... | ... | 25 |
| Salem ... ... ... ... | 91,003 | 80,832 | 3,33,969 | ... | 20,639 | 121 | 8 | 20,768 |
| Coimbatore ... ... ... | 11,650 | 4,735 | 38,624 | 316 | 1,544 | 235 | 15 | 2,110 |
| North Arcot ... ... ... | 172,282 | 82,188 | 6,72,323 | 2,657 | 51,519 | 1,074 | 70 | 55,320 |
| Chingleput ... ... ... | 123,760 | 29,153 | 2,95,087 | ... | 27,679 | ... | ... | 27,679 |
| Presidency ... ... ... | ... | ... | ... | ... | 1,039 | .... | ... | 1,039 |
| South Arcot ... ... ... | 208,972 | 50,855 | 7,74,984 | 2,781 | 68,634 | 1,500 | 98 | 73,013 |
| Tanjore ... ... ... ... | 34,464 | 3,051 | 79,278 | ... | 6,193 | ... | ... | 6,193 |
| Trichinopoly ... ... ... | 47,900 | 22,337 | 1,32,652 | 3,516 | 20,690 | 808 | 55 | 25,068 |
| Madura ... ... ... .. | 85,889 | 22,300 | 2,79,839 | 995 | 17,492 | 227 | 15 | 18,729 |
| Tinnevelly ... ... ... | 82,876 | 42,859 | 4,10,620 | 1,852 | 36,414 | 630 | 41 | 38,937 |
| Total ... | 1,320,250 | 463,259 | 42,58,496 | 21,172 | † 4,11,643 | 8,784 | 476 | † 4,42,175 |
| Total, Class IV Works ... | 2,368,653 | 8,06,235 | 82,85,151 | 251,342 | †10,43,771 | 1,97,257 | 13,569 | †14,88,939 |
| Grand Total ... | 2,470,492 | 880,068 | 89,92,121 | 254,627 | †10,77,920 | 2,05,866 | 14,130 | †15,35,543 |

* This amount includes the expenditure on Tank Restoration works.
† Inclusion of Rs. 3,94,571, the outlay incurred by Civil officers.

## TANK RESTORATION SCHEME.

Extent of investigation operations.

The area of minor basins entered upon at the beginning of the year was 40,931 square miles, of which 36,014 square miles had been completed. These figures were, for the year under report, increased by 3,110 and 2,381 square miles, bringing the totals up to 44,041 square miles entered upon and 38,395 square miles of area investigated, which represents seven-sixteenths of the total area (84,467 square miles) requiring investigation in the Presidency.

Amount of estimates sanctioned.

The estimates sanctioned for Government works during the year amounted to Rs. 3,78,730 against Rs. 2,23,712 in the previous year. Sixty-five estimates amounting to Rs. 24,850 for railway-affecting (zemindari and private) tanks were also sanctioned and sent to the Collectors concerned for execution. The cost of investigation during the year was Rs. 75,074, or 19·82 per cent. of the estimates sanctioned. The total amount of estimates sanctioned for Government works from the commencement of the Tank Restoration Scheme operations up to the end of the year under report was Rs. 56,28,933 against which the total expenditure incurred on works was Rs. 47,03,111 or Rs. 58,44,387 including establishment and tools and plant charges.

Grant and outlay.

The following statement shows the grant and outlay:—

| — | Grant for 1898-99. | | | | Expenditure during 1898-99. | | | | Outlay to end of 1897-98. |
|---|---|---|---|---|---|---|---|---|---|
| | Repairs. | Establishment. | Tools and plant. | Total. | Repairs. | Establishment. | Tools and plant. | Total. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Vizagapatam division ... ... | 730 | 168 | 11 | 909 | 630 | 135 | 9 | 774 | ... |
| Gódávari, Eastern division ... | 2,000 | 460 | 30 | 2,490 | 2,017 | 464 | 30 | 2,511 | ... |
| Cudda[P]ah ... ... ... ... | ... | ... | ... | ... | 230 | 53 | 4 | 287 | ... |
| Kistna, Northern division ... | 3,600 | 828 | 54 | 4,482 | 3,602 | 805 | 52 | 4,459 | ... |
| Kurnool ... ... ... ... | 3,400 | 782 | 51 | 4,233 | 3,404 | 783 | 51 | 4,238 | ... |
| Bellary ... ... ... ... | 1,130 | 260 | 17 | 1,407 | 1,175 | 270 | 18 | 1,463 | ... |
| Salem division ... ... ... | 26,675 | 6,135 | 400 | 33,210 | 29,200 | 6,716 | 438 | 36,354 | ... |
| Chingleput division ... ... | 56,169 | 12,918 | 843 | 69,930 | 56,469 | 12,968 | 846 | 70,283 | ... |
| North Arcot division ... ... | 30,000 | 6,900 | 450 | 37,350 | 29,900 | 6,871 | 448 | 37,219 | ... |
| South Arcot division ... ... | 22,000 | 5,060 | 330 | 27,390 | 23,296 | 5,295 | 345 | 28,936 | ... |
| Negapatam division ... ... | 12,000 | 2,760 | 180 | 14,940 | 12,817 | 2,893 | 189 | 15,899 | ... |
| Madura division ... ... ... | 39,000 | 8,970 | 585 | 48,555 | 39,181 | 8,726 | 569 | 48,476 | ... |
| Tinnevelly division ... ... | 48,290 | 11,107 | 724 | 60,121 | 48,236 | 11,094 | 724 | 60,054 | ... |
| Nellore division ... ... ... | 15,800 | 3,634 | 237 | 19,671 | 15,728 | 3,670 | 236 | 19,581 | ... |
| Total ... | 2,60,794 | 59,982 | 3,912 | 3,24,688 | 2,65,885 | 60,690 | 3,959 | 3,30,534 | 58,44,387 |

Investigation of projects.

The area investigated in the Nellore district was 670 square miles. Estimates for 71 works amounting to Rs. 72,500 were sanctioned and 47 estimates for Rs. 50,026 were under disposal at the end of the year. The investigation of the Kandaleru or Venkatagiri basin was completed. The area investigated in the Tinnevelly district was 250 square miles. Estimates for 121 works amounting to Rs. 1,12,790 were sanctioned and 67 estimates aggregating Rs. 71,845 were under disposal at the end of the year. The investigation of the Chithar minor basin in Tinnevelly was nearly finished and the examination of several other minor basins in Kurnool, Bellary, Anantapur and Cuddapah, hitherto incomplete, was closed. In Salem the investigation of the Kambayanallur minor basin was continued, and estimates for four works amounting to Rs. 3,005 were sanctioned. In Anantapur the Hindupur minor basin was among the basins examined. The total area investigated in that district was 660 square miles and 39 estimates amounting to Rs. 54,520 were sanctioned, and 8 estimates amounting to Rs. 9,350 were under disposal at the end of the year. The area investigated in the North Arcot district was 190 square miles. Estimates for 91 works amounting to Rs. 92,941 were sanctioned and 21 estimates aggregating Rs. 29,403 were under disposal at the close of the year. During the year operations were resumed in connection with the reduction of the number of small tanks in the Ráyachóti taluk of the Cuddapah district, in view to ascertain whether by improving some of them it would be possible to irrigate in addition to their own ayacut that of two or more adjacent tanks together with the tank beds.

The following statement shows the work done by the Tank Restoration Scheme during and up to end of 1898–99 by *districts*:— Statement of work done by districts.

| Parties. | Districts. | Approximate area investigated. | | Number of works estimated for. | | Amount of estimate sanctioned. | |
|---|---|---|---|---|---|---|---|
| | | During the year 1898–99. | To the end of the year. | During the year 1898 99. | To the end of the year. | During the year 1898 99. | To the end of the year. |
| | | SQ. MLS. | SQ. MLS. | | | RS. | RS. |
| No. I Party | Madura | ... | 3,852 | 2 | 1,144 | 6,219 | 11,73,795 |
| | Nellore | 670 | 1,700 | 71 | 143 | 72,500 | 1,19,345 |
| No. II Party | Tinnevelly | 250 | 2,602 | 121 | 463 | 1,12,790 | 5,53,524 |
| No. III Party | Chingleput | ... | 2,318 | 2 | 1,001 | 9,672 | 11,99,439 * |
| Nos. III and VI Parties | Kurnool | 581 | 7,298 | 1 | 219 | 70 | 2,19,895 |
| | Cuddapah | | | 2 | 30 | 870 | 20,639 |
| | Bellary | | | 3 | 23 | 1,210 | 6,174 |
| Nos. IV and VI Parties | Anantapur | 660 | 910 | 39 | 43 | 54,520 | 70,761 |
| Nos. III and IV Parties | Coimbatore | ... | 8,664 | ... | 147 | ... | 3,09,318 |
| | Salem | 30 | 2,929 | 4 | 719 | 3,005 | 3,28,279 † |
| No. V Party | North Arcot | 190 | 2,616 | 91 | 716 | 92,941 | 6,64,871 ‡ |
| | South ,, | ... | 256 | ... | 102 | 12,949 | 2,77,475 |
| Nos. IV and V Parties | Tanjore | ... | 903 | ... | 239 | 2,987 | 2,77,974 |
| No. VII Party | Gódávari | ... | 748 | ... | 175 | 5,520 | 1,08,076 |
| | Kistna | ... | 3,036 | 3 | 197 | 3,017 | 1,54,269 |
| No. VIII Party | Vizagapatam | ... | 563 | 1 | 137 | 460 | 1,44,799 |
| | Total | 2,381 | 38,395 | 340 | 5,498 | 3,78,730 | 56,28,933 |

* Of these, one estimate amounting to Rs. 120 is for a dasabandam work. The estimate was sanctioned and sent to the Collector for execution by the inamdar.

† Of these, 13 estimates for Rs. 2,765 (including those works whose inam lands have since been resumed) refer to repairs to dasabandam works, and were sent to the Collector of the district for execution by the inamdars.

‡ Of these, 30 estimates for Rs. 6,855 (including those works whose inam lands have since been resumed) refer to repairs to dasabandam works, and were sent to the Collector of the district for execution by the inamdars.

## AGRICULTURAL WORKS.

The following statement shows the outlay on agricultural works, *i.e.*, river conservancy and embankments as compared with the grants:— Grant and outlay.

| | Grants for 1898–99. | | Outlay during 1898–99. |
|---|---|---|---|
| | Budget. | Final. | |
| | RS. | RS. | RS. |
| Original works | 81,872 | 1,39,923 | 1,39,402 |
| Repairs | 4,05,325 | 3,31,685 | 3,25,431 |
| Establishment | 1,12,615 | 1,10,331 | 1,03,772 |
| Tools and plant | 7,188 | 7,575 | 6,546 |
| Total | 6,07,000 | 5,89,514 | 5,75,151 |

Miscellaneous.

Out of a grant for 'Repairs' of Rs. 3,31,685, Rs. 3,25,431 were expended. The charges for establishment amounted to Rs. 1,03,772. The receipts realized by the sale of plantations and produce of trees along the river embankments amounted to Rs. 36,202 against a budget and revised estimate of Rs. 24,000 and Rs. 37,000, respectively.

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## LOCAL—MINOR WORKS AND NAVIGATION.

Grant and outlay.

In Chingleput, Coimbatore, Trichinopoly and Salem districts, an irrigation cess is collected from the ryots holding land under some of the principal channels in those districts, the money so collected being expended by the Revenue Department. The objects to which it has hitherto been devoted have chiefly been the construction of banks of sand, grass, &c., thrown across the river beds at the heads of channels when the supply in the rivers is low, the clearance of channels and the payment of an establishment for the regulation and distribution of water. In some instances the expenditure on these and similar items left considerable balances, and it was decided by Government that there was no objection to such balances being used for the construction of much-needed sluices by the Public Works Department. Accordingly, since 1888–89 expenditure has been incurred under this head. The grants for, and the expenditure during, the year are shown below :—

| Divisions. | Original grant for 1898–99. | Final grant for 1898–99. | Outlay, 1898–99. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Coimbatore ... ... ... ... ... | ... | 3,960 | 2,769 |
| Salem ... ... ... ... ... ... | 5,000 | 5,000 | 5,035 |
| Trichinopoly ... ... ... ... ... | ... | 300 | 300 |
| Total ... | 5,000 | 9,260 | 8,104 |

## ESTATE WORKS EXECUTED BY THE PUBLIC WORKS DEPARTMENT.

Grant and outlay.

The outlay incurred on irrigation works carried out by the Public Works Department in the estates under the charge of the Court of Wards is compared in the subjoined statement with the grants for the year :—

| Estates. | Original works. | | Repairs. | |
|---|---|---|---|---|
| | Revised grant. | Outlay. | Revised grant. | Outlay. |
| *Ganjám Division.* | Rs. | Rs. | Rs. | Rs. |
| Bodagada ... ... ... ... ... ... ... | 330 | 191 | 1,350 | 39 |
| Total, Ganjám Division ... | 330 | 191 | 1,350 | 39 |
| *Vizagapatam Division.* | | | | |
| Kasimkóta ... ... ... ... .. ... | ... | 1,152 | 5,000 | 3,740 |
| Total, Vizagapatam Division ... | ... | 1,152 | 5,000 | 3,740 |

The lapse of grant under repairs against Bodagada estate was due to the works having been sanctioned very late in the year. Though the works were commenced they could not be completed by the end of the year owing to want of time and scarcity of labour.

Progress of works.

In the Bodagada estate four original works were in progress, of which one was completed. Seven repair works were sanctioned and in hand; of these, two were completed.

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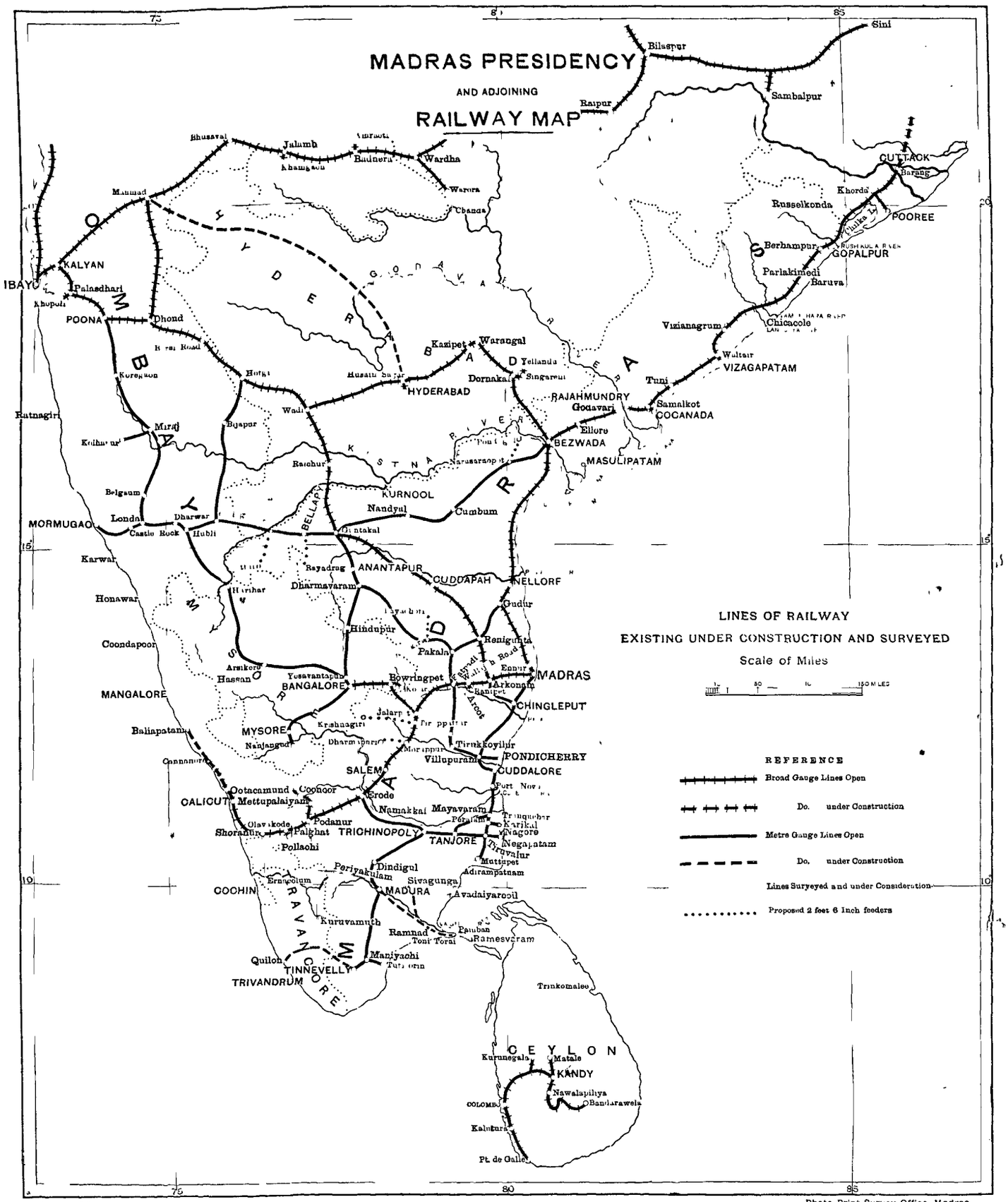


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# PUBLIC WORKS—RAILWAY BRANCH. (1898-99.)

## (a) *General.*

Railways in the Madras Presidency.

The following statement shows the lengths and gauges of lines—open, under construction, and under survey—during the past year in the Madras Presidency. Surveys of lines on which construction is not in progress have been omitted from the statement :—

| Railway. | Open for traffic. | Under construction. | Under survey. | Gauge. | Administration. | Remarks. |
|---|---|---|---|---|---|---|
| | MILES. | MILES. | MILES. | | | |
| Madras Railway ... ... ... | 839·22 | ... | ... | Standard | Madras Government. | Guaranteed. |
| Kólar Gold Fields Railway ... | 10 | ... | ... | Do. | Do. | Owned by Mysore Government, worked by Madras Railway Company. |
| South Indian Railway ... ... | 1,017·88 | 4·67 | ... | Metre. | Do. | State Imperial, worked by South Indian Railway Company. |
| Pondicherry Railway ... ... | 7·80 | ... | ... | Do. | Do. | Worked by South Indian Railway Company for the French Government. |
| Dharmavaram-Mysore Frontier Railway. | 56·00 | ... | ... | Do. | Bombay Government. | State Imperial, worked by Southern Mahratta Railway Company. |
| Southern Mahratta Railway ... | 414·00 | ... | ... | | | |
| Nilgiri Railway ... ... ... | ... | 16·90 | ... | Do. | Madras Government. | To be worked by Madras Railway Company. |
| Máyavaram-Muttupet Railway ... | 53·99 | ... | ... | Do. | Do. | Provincial, worked by South Indian Railway Company. |
| Bezwada Extension Railway ... | 20·58 | ... | ... | Standard | Government of India. | Owned by the State, worked by His Highness the Nizám's Guaranteed State Railway Company. |
| East Coast including Bezwada-Ennúr Railway. | 801·32 | ... | ... | Do. | Do. | State Imperial. |
| Madras-Ennúr Railway ... ... | 8·45 | ... | ... | Do. | Madras Government. | Worked by Madras Railway Company. |
| Arcot Branch Railway ... ... | ... | 4·00 | ... | Do. | Do. | By Madras Railway Company. |
| Peralam-Karaikkal Railway ... | 14·45 | ... | ... | Metre ... | Do. | Worked by South Indian Railway Company for the French Government. |
| Calicut-Cannanore Railway ... | ... | 59·75 | ... | Standard | Do. | By Madras Railway Company. |
| Shoranur-Cochin Railway ... | ... | ... | 65 | Metre. | Do. | By Madras Railway Company. |
| Erode-Nanjangode Railway ... | ... | ... | 110 | Do. | Do. | By South Indian Railway Company. |
| Muttupet-Avadaiyárkóvil Railway. | ... | ... | 53 | Do. | Do. | By South Indian Railway Company. |
| Pámban Branch Railway ... ... | ... | ... | 102 | Do. | Do. | By South Indian Railway Company. |
| Travancore Branch Railway ... | ... | ... | 103 | Do. | Do. | By South Indian Railway Company. |

Lines in progress.

*Nilgiri Railway* (*Metre Gauge*), 16·90 *miles.*—The Mettupálaiyam-Coonoor section was completed in September 1898 and notice was given on 3rd October of a proposal to open it for passenger traffic on the 1st November. The inspection prior to opening was carried out on the 11th October, and it was recommended that it should be opened subject to certain works being first completed and to a speed

restriction. A very heavy north-east monsoon was experienced in the latter half of October, and on the 26th several slips were reported, and on the 29th a 28-foot girder bridge was completely wrecked by falling boulders. From that date to the end of November, while the monsoon lasted, constant fresh slips took place and all hopes of opening the line for traffic during the year had to be abandoned, and measures were taken to repair damages and to carry out such new works as the experience of the recent monsoon had shown to be necessary for the future safety of the line.

*Calicut-Cannanore* (*Standard Gauge*), 59·75 *miles*, *Estimated cost Rs.* 82,03,482. —The original length of this extension of the Madras Railway was 59 miles to Cannanore, but this distance was reduced to 55½ miles by the improved alignment of certain portions. To this must be added the 4¼ miles from Cannanore to Baliapatam, the present terminus and an important place of trade. Sanction was received, in January 1898, to commence construction on the first 26 miles out of Calicut, and in February 1899 to commence construction from mile 26 to Baliapatam. On the 24th March 1899 the Government of India intimated that the line should be constructed on the broad gauge as economically as possible with a view to conversion hereafter. The work was progressing. The estimated cost given was for the original line from Calicut to Cannanore, and it is anticipated that this will considerably more than cover the cost of the whole line to Baliapatam.

*Madras Harbour Extension of the Madras Railway* (*Standard Gauge*), *and of the South Indian Railway* (*Metre Gauge*).—After prolonged negotiations, arrangements were made for extending the Madras Railway to the Madras Beach and for constructing a temporary joint passenger station to serve both the Madras and South Indian Railways. An estimate amounting to Rs. 90,035 was sanctioned and the work commenced. It was arranged that the land on which the temporary station and its approaches will be constructed was not to be alienated from its owners, the Harbour Trust Board, but that the Railways should pay an annual sum by way of commuted toll for the right of admission to it.

*Bezwada-Madras Railway* (*Standard Gauge*), 264 *miles*.—This, the southern extension of the East Coast Railway, was opened for passenger traffic during the year under report. The section between Madras and Ennur, 8·45 miles, continued to be worked by the Madras Railway. The section from Gudur to Nellore, formerly part of the South Indian Railway, was converted to broad gauge on the 1st November 1898. The sections from Ennur to Gudur and from Nellore to Kistna Canal junction were offered for inspection prior to opening on the 1st December 1898; but the former section having been damaged by heavy and continuous rain, its inspection had to be postponed. The section from Kistna Canal junction to Nellore was opened for the public carriage of passengers on the 20th December 1898. The banks in the Ennur-Gudur section having been repaired and a temporary bridge built at mile 49, this portion of the line was opened for passenger traffic on the 23rd February 1899, thus completing the through line between Madras and Barang (Cuttack Road).

*Arcot Branch* (*Standard Gauge*), 4·00 *miles*.—This short branch of the Madras Railway was completed and opened for passenger traffic on the 11th April 1899.

*Shoranur-Cochin Railway* (*Metre Gauge*), *Length* 65 *miles*, *Estimate Rupees* 50,00,000.—A Madras Railway Company's survey party was engaged on the final location of this line. His Highness the Rajah of Cochin proposes to provide the capital, estimated at Rs. 50 lakhs, which is necessary for its construction on the metre gauge. Sanction has been accorded to construction being commenced on the northern 30 miles for which plans and estimates have been completed. It is proposed that the Cochin Durbar shall provide funds as called for by the Madras Railway Company who will work the line as a branch of their own system on terms to be agreed upon.

*Negapatam-Nagore* (*Metre Gauge*), *Length* 4·67 *miles*, *Estimate Rs.* 2,38,723.—Permission was accorded to the construction of this short extension of the South Indian Railway and the work was commenced.

*Naupada-Parlákimedi Railway* (2' 6" *Gauge*), *Length* 25 *miles.*—This line of light railway was being constructed by the Rajah of Parlákimedi at his own expense under an order made under the Tramways Act. It will connect Parlákimedi town with Naupada station of the East Coast Railway. The line is expected to be opened in October or November.

Lines under survey or projected.

*Travancore Branch* (*Metre Gauge*), *Length* 103 *miles*, *Estimated cost Rupees* 1,01,88,000.—The construction of this line seems now in a fair way to being commenced, the following terms formulated by the Government of India having been accepted by the Travancore Durbar and the Board of Directors of the South Indian Railway Company:—(*a*) that the South Indian Railway Company should be enabled to raise the whole of the money required for the construction of the entire line at 2½ per cent. in sterling under a guarantee from the Government of India; (*b*) that the Travancore Durbar should underwrite that guarantee to the extent of the cost of the line in their territory; (*c*) that the South Indian Railway Company should construct the whole line including rolling stock at cost price; (*d*) that the South Indian Railway Company should work the line on completion as a portion of its existing system at the same rate of working expenses as obtains on their whole line including this and all future branches, the cost of maintenance for two years after opening being debited to capital; (*e*) that surplus profits should be divided, after deducting the share payable to the South Indian Railway Company quoted at about one-sixth, between Government and the Durbar in proportion to the mileage in their respective territories. The revised estimate for the construction of this line will probably amount to Rs. 1,17,00,000. Since the close of the year under report a grant of Rs. 7 lakhs has been allotted by the Government of India for construction purposes.

*Pámban Branch, South Indian Railway* (*Metre Gauge*), *Length* 102 *miles* (*including branch to Sivaganga*), *Estimate Rs.* 41,77,460.—The decision of the Government of India that the extension of the South Indian Railway to Pámban should be constructed as an integral part of the parent line was communicated to the Madras Government in September 1898. Orders were issued in November 1898 for a resurvey of the section from Madura to Paramakudi, 46 miles, on the south bank of the Vaigai river, with a branch crossing that river to Sivaganga, also for re-staking out the section between Paramakudi and Toni-Torai. One survey party commenced work on the first section on the 14th December 1898 and the alignment of the main line had been completed up to Paramakudi by the end of the official year. The survey party in charge of the second section commenced work on the first week in January 1899. In addition to the work on the main land they made a survey for a proposed extension through the island of Rámésvaram; they also made a preliminary survey of the Pámban reef. Since the close of the year under report sanction to commence construction was given and a grant of Rs. 10 lakhs allotted.

*Bezwada-Masulipatam* (*Metre Gauge*), *Length* 50 *miles.*—The Madras Government continued to press the Government of India to permit this important projected extension to be made or promoted by the Southern Mahratta Railway Company, in order that the grain supplies of the Kistna delta may be available for the scarcity tracts of Kurnool and Bellary.

*Muttupet-Avadaiyárkóvil* (*Metre Gauge*), *Length* 53 *miles.*—Sanction having been accorded to the re-staking out of the line already surveyed between Muttupet and Adirámpatnam and to the survey of an extension from Adirámpatnam to Avadaiyárkóvil, the work has just been started. The proposed line will run from Muttupet in a south-westerly direction to Adirámpatnam, 9 miles; then turning to the north-west will pass Pattukkóttai at the 16½th mile. From this town it will follow the line of the public road to Arantángi, the 44th mile, whence turning south it will reach Avadaiyárkóvil at the 53rd mile.

*Coonoor-Ootacamund* (*Metre Gauge*), *Length* 11½ *miles*, *Estimate Rs.* 19,19,000.—The Nilgiri Railway Company asked for a direct guarantee of net earnings on the entire capital outlay required for the Nilgiri Railway from Mettupálaiyam to Ootacamund; but the Government of India were only willing to give a guarantee to make up the gross earnings of the whole line to Rs. 3,35,000.

*Kurnool Branch Railway* (*Metre Gauge*), *Length* 32 *miles.*—Nothing definite has yet been accomplished in regard to the proposal to lay a line of light railway alongside the road to connect Kurnool with Kurnool Road station, which it was estimated could be constructed for Rs. 25,000 per mile.

*Pódanúr-Dindigul* (*Metre Gauge*), *Length* 118 *miles.*—The submission of proposals for constructing this line as a branch to the Madras Railway has been delayed pending the decision as to the proper gauge for the main line west of Pódanúr. Notwithstanding the decision now arrived at not to convert the main line from standard to metre gauge, this branch will probably be constructed on the metre gauge, and be worked by the standard gauge Madras Railway Company.

*Marina Loop* (*Metre Gauge*), $8\frac{1}{4}$ *miles.*—The Agent, South Indian Railway, has suggested the construction of a loop line to take off from the main line at Saidapet and, after passing through the Adyar, St. Thomé and Chepauk suburbs of Madras, to rejoin the main line near the High Court. It is proposed to so arrange the junction at Saidapet that the new loop, together with the existing main line, will form a circular railway. No definite proposals have, however, as yet been sent in.

*Kalikiri to Rayachóti*, 32 *miles.*—It appears probable that a survey for a light feeder line to connect Kalikiri on the Pákala-Dharmavaram section of the South Indian Railway with Ráyachóti, both places in the Cuddapah district, will be undertaken by the South Indian Railway. Since the close of the year under report an estimate of the cost of this survey has been submitted to the Government of India.

*Baliapatam-Mangalore* (*Standard Gauge*), 90 *miles.*—An application has been made by the Madras Railway Company for sanction to make a survey of a line from Baliapatam, the present terminus of the Calicut-Cannanore branch, to Mangalore, a distance of about 90 miles.

*Morappúr-Dharmapuri*, *Length* 16 *miles.*—The Madras Railway Company have submitted an estimate of the cost of a survey for a light feeder line from Morappúr station to Dharmapuri in the Salem district.

*Madura District Light Railway* (2′ 6″ *Gauge*), 78 *miles.*—Since the close of the year an order has been made under the Indian Tramways Act constituting Messrs. Wilson & Co., Madras, to be Promoters for the construction of light railways, aggregating 78 miles in length, within the district of Madura.

*Salem-Shevaroy Hills* (2′ 6″ *Gauge*), *Length* $7\frac{3}{4}$ *miles.*—The approval of the Government of India has been communicated to the survey by the Madras Railway Company of a proposed light railway to connect Salem station on the Madras Railway with Salem town and the foot of the Shevaroy Hills ghât. It seems not unlikely that the scheme may develop into a line, 34 miles long, to Atur, and possibly the South Indian Railway Company may extend it an additional 23 miles to Chinna Salem on the projected Trichinopoly-Tirukkóyilúr chord line.

*Tiruppattúr to Krishnagiri*, *Length* 25 *miles.*—Sanction has been accorded to the survey, through the Agency of the Madras Railway, of a line to connect Tiruppattúr station with Krishnagiri in the Salem district.

*Vizianagram-Raipur* (*Standard Gauge*), *Length* 310 *miles*, *Estimate Rupees* 3,03,11,061.—During the year under report the survey of a line to connect Vizianagram, a station on the East Coast Railway, with Raipur on the Bengal-Nagpur Railway was completed and the report and estimates prepared. The total length of the through line is 310 miles, of which 133 miles lie within the boundaries of the Madras Presidency. An estimate has also been prepared for a 48-mile link to connect Sointilla with Sonpur, a station on the proposed Sambalpur-Sonpur-Khurda line, at an estimated cost of Rs. 38,42,000.

*Erode-Nanjangode* (*Metre Gauge*), *Length* 110 *miles.*—The South Indian Railway Company are carrying out a preliminary survey for a line, 110 miles long, to connect the Erode junction of the Madras and South Indian Railways with Nanjangode, the southernmost end of the Mysore system of lines which are worked by the Southern Mahratta Railway Company. The survey party were in the field during the whole of the cold season, but the results of their work have not yet come in.

## (b) *Madras Railway.*

The open length of this railway is 839·22 miles, of which the portion between Madras and Arkonam, viz., 42½ miles, has a double line. Open mileage.

The foot overbridge at the Elephant gate crossing, Madras, was completed as also the Telegraph Engineer's new workshop at Arkonam, while the power-house for lighting Arkonam station with electricity is approaching completion. The bridge at 175/16 mile of the Bangalore branch has been strengthened with new girders. Alterations and additions to the station-house at Bangalore City and the covering over of the passenger platform have been nearly completed, but all the works have been stopped owing to prevalence of plague at this station. Watering arrangements at Whitefield have been completed. The alteration of home signals is nearly completed. The restoration of bridge No. 251 at 107/10–11 miles, North-West Line, has been completed. The points at Puttúr have been interlocked. The diversion of the Koduru river has been completed. The work of interlocking points and signals at Nagari is in progress. The strengthening of the 64-foot girders at 142/10, 232/3, 232/13, 248/9, 248/15 and 263/3 miles by inserting central masonry piers is in progress. New works.

*Calicut-Cannanore Extension.*—The question of the gauge to be adopted was at the end of the year, under the consideration of Government. Earthwork and minor bridges of the maximum metre gauge and minimum broad gauge width were sanctioned for the first 26 miles on the 2nd April 1898. The earthwork is being constructed as quickly as land is handed over. Steady progress has been made with the minor bridges on the first ten miles which are mostly up to bottom of bed-stone level. Preparations are being made for well-sinking at the Korapaya bridge.

*Nilgiri Railway.*—The works necessary to repair the line and, as far as possible, to prevent the recurrence of slips are in active progress, and it is hoped that the line may be re-opened for traffic about the end of May 1899.

The number of accidents during the year was 178 against 173 in 1897. The number of persons killed was 10 against 24 in 1897, and of those injured 31 against 30. On the morning of the 6th June 1898, at mile 240/13 between Pennéru and Rayalcheruvu, a portion of embankment against the bridge abutment was washed away by floods. Traffic was resumed after an interruption of one day. On the 16th April 1898, No. 42 up mail was let into the second line instead of into the main line at Jalarpet and collided with No. 20 goods train. A post office head sorter and seven passengers received slight injuries and some damage was caused to rolling stock. On the 13th September 1898, the engine of No. 59 train, while entering Malur station, broke a leading spring and became derailed. Two covered goods wagons which were next to the engine were telescoped and an empty double saloon which was next was derailed and slightly damaged. The Nilgiri Mountain Railway was permitted to carry goods and parcels traffic on and from the 1st October 1898, but on the 29th idem the line was blocked by heavy erosion of the slopes of numerous cuttings and was closed for traffic until further notice. Accidents.

The total number of employés was 14,172 against 14,800 in the previous year. 169 were Europeans, 1,006 East Indians, and 12,997 Natives. Employés.

293 private police or watchmen were maintained by the Company at a cost of Rs. 38,087. This force was supplemented by 9 head constables and 183 constables from the General Police at the cost of Government. Besides these, 2 Inspectors, 9 head constables, and 32 constables are employed for detective and travelling duty. Police.

The total strength of the Madras Railway Volunteer Corps on the 31st March 1899 was 955 against 952 on the corresponding date in the previous year. The number of efficients fell from 571 to 441, while that of non-efficients increased from 13 to 34. The regimental figure of merit in musketry rose from 44 to 48. No camp-of-exercise was held during the year, which probably accounted for the increase in the number of non-efficients. Two brigade parades have been attended during the season. The competition for the "Moss Medal" has not yet been completed, and the Chief Engineer's challenge shield has not been fired for. A challenge cup presented by Mr. Spring for competition between teams selected from each of the three Volunteers.

Railway Volunteer Regiments under the control of the Consulting Engineer was won by the Madras Railway Volunteer team. The parade grounds, ranges and armouries were maintained in good order. The band was maintained throughout the year up to the full strength.

**Medical department.**

The medical staff of the Company consists of a Medical officer and 17 apothecaries and maintained at a cost of Rs. 2,618 per mensem.

**Schools.**

Railway schools are established at nine of the most important stations. These schools are intended for European and Eurasian children only. The net cost of the schools to the Company after allowing for receipts on account of fees and Government grant was Rs. 10,436, equal to Rs. 25·90 per head on the register. The average daily attendance rose from 334·81 to 342·08.

**Store and materials.**

During the calendar year 10,290½ tons of stores and materials, valued at £78,210, were shipped to India in 41 lots, besides 2,111⅓ tons of coke from England at an average cost, at port of delivery, of £2–4–10 per ton. At the close of 1898, the balance of stores in hand was Rs. 23,94,853, against a balance, at the close of 1897, of Rs. 24,01,914. The receipts and issues during the year were Rs. 25,78,441 and Rs. 25,85,502, respectively.

**Rolling-stock.**

The total rolling-stock on the line on the 31st December 1898 was as follows :—

| Classification. | Total constructed. | Withdrawn for renewals or repairs. | In running order. |
|---|---|---|---|
| Locomotives ... ... ... ... ... | 168 | 34 | 134 |
| Coaching vehicles ... ... ... ... ... | 653 | 56 | 597 |
| Goods vehicles ... ... ... ... ... | 3,180 | 150 | 3,030 |

**Capital transactions.**

Sixty-one engines passed through the shops for repairs and 3 vehicles were constructed at the cost of capital consisting of 1 bogie carriage and 2 trucks for carrying gas holders. Ten engines and 139 vehicles were fitted with the vacuum brake during the year, and 47 vehicles were fitted with gas lamps.

The total capital of the Company at the close of 1898 was as follows :—

*Madras Railway.*

(*a*) Capital authorized, Rs. 14,81,90,162.
(*b*) Capital subscribed, Rs. 12,17,76,962.
(*c*) Capital expenditure, Rs. 12,18,98,618.
(*d*) Balance available of capital authorized, £2,410,058 and of capital subscribed £11,152.

*Madras Railway Extensions (under Construction).*

(*a*) Capital authorized, Rs. 15,93,989.
(*b*) Capital subscribed, Rs. 15,93,989.
(*c*) Capital expenditure, Rs. 4,32,896.
(*d*) Balance available of capital authorized £79,783 and of capital subscribed, £70,783.

The expenditure of the year on final heads was—(1) Madras Railway Rs.3,98,229, (2) Calicut-Cannanore extension Rs. 86,922, and (3) Arcot branch Rs. 2,01,485, and the principal works on the main line upon which expenditure was incurred were—

| | Rs. |
|---|---|
| Fitting automatic vacuum brake-gear for 6 engines and 200 carriages ... ... ... ... | 37,863 |
| Alterations and additions to Bangalore City Station ... ... ... ... ... ... | 87,623 |
| Construction of bogie composites, 3rd-class carriages and brake-vans ... ... ... ... | 18,905 |
| Construction of 5 composites and 5 third-class carriages ... ... ... ... ... | 12,764 |

The net earnings of the year less contribution to the provident institution were Rs. 54,12,657, and the excess of net earnings over interest charges Rs. 4,42,848. The mean mileage worked during the year was the same as last year (839·22 miles).

After deducting from the net earnings of the year the Company's moiety of surplus profits for the first-half of the year, charges for guaranteed interest, contribution to provident institution and interest on overdrawn capital, the net result for the year showed a loss to the State of Rs. 5,23,528.

The following table shows the general results of the year's working as compared with those of the previous year :— General results.

| Year. | Mean mileage worked. | Train mileage. | Gross earnings. | Working expenses.* | Net earnings. | Percentage of working expenses on gross earnings. | Gross earnings per mean mile worked per week. | Percentage of net earnings on total capital outlay including suspense. |
|---|---|---|---|---|---|---|---|---|
| | MILES. | MILES. | RS. | RS. | RS. | | RS. | |
| 1897 ... | 839·22 | 2,580,869 | 1,14,65,314 | 54,63,126 | 60,02,188 | 47·65 | 262·73 | 4·94 |
| 1898 ... | 839·22 | 2,536,268 | 1,07,20,483 | 52,18,578 | 55,01,905 | 48·68 | 245·66 | 4·51 |
| Increase or decrease. | ... | – 44,601 | – 7,44,831 | – 2,44,548 | – 5,00,283 | + 1·03 | – 17·07 | – ·43 |
| Percentage of increase or decrease. | ... | – 1·73 | – 6·50 | – 4·48 | – 8·34 | ... | – 6·50 | ... |

* Includes contribution to the Provident fund.

The following table shows the gross earnings under main heads as compared with the previous year :— Gross earnings.

| Class of earnings. | 1897. | 1898. | Increase or decrease. |
|---|---|---|---|
| | RS. | RS. | RS. |
| Coaching ... ... ... ... ... ... | 45,37,518 | 40,13,141 | – 5,24,377 |
| Goods ... ... ... ... ... ... | 66,89,162 | 64,91,274 | – 1,97,888 |
| Electric telegraph ... ... ... ... | 20,230 | 17,095 | – 3,135 |
| Sundries ... ... ... ... ... ... | 2,18,404 | 1,98,973 | + 19,431 |
| Total ... | 1,14,65,314 | 1,07,20,483 | – 7,44,831 |

The number of passengers of the various classes carried including troops and police and season tickets and the earnings therefrom compare as follows :— Coaching traffic.

| Year. | First class. | | Second class. | | Third class. | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | Number. | Earnings. | Number. | Earnings. | Number. | Earnings. | Number. | Earnings. |
| | | RS. | | RS. | | RS. | | RS. |
| 1897 ... ... ... ... | 25,169 | 1,97,301 | 102,397½ | 2,50,296 | 9,946,187 | 34,63,035 | 10,073,753½ | 39,10,632 |
| 1898 ... ... ... ... | 21,636½ | 1,99,105 | 97,701½ | 2,53,108 | 8,212,365 | 29,57,145 | 8,331,703 | 34,09,358 |
| Increase ... ... ... | ... | 1,804 | ... | 2,812 | ... | ... | ... | ... |
| Decrease ... ... ... | 3,532½ | ... | 4,696 | ... | 1,733,822 | 5,05,890 | 1,742,050½ | 5,01,274 |

The decrease in third-class traffic was probably due to a large falling off in the number travelling attributable to plague restrictions during the year. The average sum received for carrying a passenger one mile amounted to 2·31 pies against 2·26 pies in the previous year. The coaching earnings per passenger train mile were Rs. 3·27 against Rs. 3·60.

Goods traffic.

The following is a summary of the tonnage of goods lifted and the earnings therefrom as compared with the previous year:—

| Class of goods earnings. | 1897 | | 1898. | | Increase or decrease. | |
|---|---|---|---|---|---|---|
| | TONS. | RS. | TONS. | RS. | TONS. | RS. |
| General merchandise .. ... | 882,921 | 59,38,506 | 780,917 | 55,51,588 | – 102,004 | – 3,86,918 |
| Military stores ... ... ... | 1,768 | 80,054 | 1,932 | 75,834 | + 164 | – 4,220 |
| Railway materials for construction (Home line only) ... ... | 1,523 | 4,766 | 2,996 | 9,327 | + 1,473 | + 4,561 |
| Coal and coke for the public and foreign railways . ... ... | 124,415 | 4,74,939 | 170,262 | 6,49,260 | + 45,847 | + 1,74,321 |
| Coal and coke for construction (Home line only) ... ... | ... | ... | ... | ... | ... | ... |
| Coal and coke for revenue only ... | 32,216 | 38,802 | 15,345 | 34,999 | – 16,871 | – 3,803 |
| Revenue stores other than coal and coke ... ... ... ... | 197,005 | 91,060 | 194,964 | 1,19,850 | – 2,041 | + 28,790 |
| Live-stock ... ... ... ... | 1,560 | 40,102 | 1,367 | 29,499 | – 193 | – 10,603 |
| Rents and miscellaneous .. ... | ... | 20,933 | ... | 20,917 | ... | – 16 |
| Total ... | 1,241,408 | 66,89,162 | 1,167,783 | 64,91,274 | – 73,625 | – 1,97,888 |

The noticeable fluctuations of traffic under general merchandise were increases of 6,181 tons under the head of raw cotton, 6,251 tons under oil-seeds, and decreases of 68,839 tons under grain and pulse, and 9,983 tons under hides and skins. The average sum received for carrying a ton of goods one mile amounted to 8·25 pies against 8·24 pies in the previous year. The goods earnings per goods train mile were Rs. 4·96 against Rs. 5·06.

Working expenses.

The following table shows the working expenses of the railway system during 1898 as compared with the previous year :—

| Accounts heads. | 1897. | | 1898. | | Increase or decrease in amount. | Percentage of increase or decrease. |
|---|---|---|---|---|---|---|
| | Amount. | Per cent. on gross earnings. | Amount. | Per cent. on gross earnings. | | |
| | RS. | | RS. | | RS. | |
| Maintenance of way, works and stations ... ... ... | 12,90,151 | 10·99 | 12,78,668 | 11·66 | – 11,483 | + ·67 |
| Locomotive expenses ... ... | 21,70,119 | 18·49 | 20,63,323 | 18·81 | – 1,06,796 | + ·32 |
| Carriage and wagon expenses ... | 6,15,806 | 5·25 | 4,76,721 | 4·35 | – 1,39,085 | – ·90 |
| Traffic expenses ... ... | 8,45,557 | 7·21 | 8,71,137 | 7·94 | + 25,580 | + ·73 |
| General charges ... ... | 5,80,836 | 4·95 | 5,72,964 | 5·22 | – 7,872 | + ·27 |
| Special and miscellaneous expenditure ... ... ... | 1,19,599 | 1·01 | 1,03,222 | ·94 | – 16,377 | – ·07 |
| Total ... | 56,22,068 | 47·90 | 53,66,035 | 48·92 | – 2,56,033 | + 1·02 |

The decrease under maintenance of way, works and stations was chiefly due to the absence of special outlay on repairs of bridges and on repairs of stations and buildings. The decrease under locomotive expenses was owing to no new engines having been erected in 1898, whereas the cost of four engines was charged off in the previous year. The decrease under carriage and wagon expenses was mostly due to a smaller number of vehicles having been repaired as well as to more economical working of the department. The increase under traffic expenses was due to a retiring gratuity paid to Mr. G. R. Byron as well as to mileage allowances paid to guards and assistant guards during the whole of the year 1898, as against only six months from July 1897 in the previous year, also to a larger outlay on wagon covers. The decrease under special and miscellaneous expenditure was due to commission and stamp duty on debentures having been charged off in 1897.

9·40 per cent. of the trains were late against 8·68 in 1897. The increase was mainly due to the late arrival of some of the trains on account of examination of passengers under the Epidemic Diseases Act. Train service.

*Coaching rates.*—With effect from the 1st September 1898, the Conference scale of parcels rates already in force in through booking was adopted in local booking over the Madras Railway. Rates and fares.

*Goods rates.*—The Southern Mahratta Railway having withdrawn from the shortest route agreement between the Great Indian Peninsula, Madras Railway, Southern Mahratta and South Indian Railways, the Great Indian Peninsula and Madras Railways agreed on and from the 1st December 1898 that traffic directly interchanged by them with the Madras Railway should be despatched *viâ* Raichur only. The Madras and South Indian Railways also agreed that traffic to and from each other's stations should be forwarded by the shortest route for direct interchange, while traffic between all railway stations north of Raichur (Southern Mahratta Railway stations excepted) and all stations on the South Indian Railway should be forwarded by routes mutually agreed upon. For fourteen days from the 1st December 1898 there was keen competition for traffic between Bombay and Southern Mahratta stations and joint stations on the Madras Railway. It is understood that the Southern Mahratta Railway had reduced its rates to Marmagoa before the matter had been discussed with a view to an equitable settlement of the routes which Bombay traffic should follow to prevent undue competition. Subsequently the reduced rates were cancelled pending a meeting of the Agents which was held at Bombay on the 11th October; but at this meeting nothing was agreed to and a rates-war commenced on 1st December; it was stopped on and from the 15th December by orders from the Home Boards and temporary rates were introduced pending a further meeting.

### (c) *Kolar Gold Fields Railway.*

The Kolar Gold Fields Railway from Bowringpet on the Bangalore branch of the Madras Railway to the Kolar Mines, 10 miles in length, was opened for public traffic on 1st June 1894, and is worked by the Madras Railway as a part of their system. Wire-fencing has been erected on both sides of the Kolar Gold Fields Railway, and additional works to the stations, &c., are in progress. Open mileage.

The total capital outlay on final heads of account to 31st December 1898 was Rs. 8,09,537, and the net earnings of this line after payment to the Madras Railway of the cost of working were Rs. 82,133 for 1898 equivalent to 10·15 per cent. per annum on the capital outlay. Capital transactions.

### (d) *Madras-Ennúr section of the East Coast Railway.*

The Madras-Ennúr section of the Bezwada-Madras Railway, from Washermanpet on the Ráyapuram Branch of the Madras Railway to Ennúr, 8·45 miles, was opened for public traffic on the 22nd February 1896, and is worked by the Madras Railway as a part of their system. The passenger platforms at Tondiyarpettai, Tiruvottiyur, Eranavur and Ennúr have been raised. Open mileage.

The total capital expended amounted to Rs. 5,99,150. The net earnings of this line after payment to the Madras Railway of the cost of working, were Rs. 18,477 for the year 1898 equivalent to 3·08 per cent. per annum on the capital. Capital transactions.

### (e) *South Indian Railway.*

The open length of railway, with which the Company is directly concerned, is 654·68 miles; none of it is double line. The Company also work the French section of the Pondicherry Railway from the Gingee River to Pondicherry, 7·80 miles in length, the Villupuram-Dharmavaram State Railway, including the branch from Pakala to Gudur, 363·20 miles in length, the Máyavaram-Muttupet Railway, the property of the Tanjore District Board, 53·99 miles; and the Peralam-Karaikkal Railway, 14·45 miles, making the total length worked by them 1,094·12 miles. Sanction was accorded to the construction of the Negapatam-Nagore extension of the South Indian Railway, a length of 4·67 miles. Most of the rails have been Open mileage.

transferred from the depot and arrangements made for a supply of sâlwood sleepers from the Ganjám district. As soon as the land is handed over to the Company the earthwork will be commenced. During the year one mile of 68 lb. rails on pot sleepers on the Negapatam branch and 0·32 mile of 40 lb. rails on wooden sleepers in the Tuticorin station yard were renewed with 50 lb. rails on pot sleepers, making the total length so re-laid 474·84 miles. The new junction at Gudur in connection with the East Coast Railway is practically completed.

Accidents.

The number of accidents during the year increased from 333 to 360, 11 of the total number being due to derailments against 4 in the previous year. The number of persons killed and injured were 23 and 34 against 32 and 18 in 1897. From the 6th to 12th November 1898, floods in the Ponniar and Mullatar rivers caused their banks to be breached. The floods rose and fell during these days and traffic was interrupted at intervals. On the 1st December 1898 the Ponniar coming down in flood again breached the north river bank which had been restored and caused considerable damage. The traffic was interrupted for 4 days. On the Erode branch, owing to the bursting of 20 small tanks, a heavy flood on the 14th November 1898 was brought down against the 12-feet arch bridge near Chavadipalayam station carrying away portion of the north flank wall, scouring out the embankment and slopes close up to the rails. Traffic was interrupted for 6 hours. Owing to the breaching of tanks above the line on the 30th November 1898, a breach occurred on the Villupuram-Pakala section causing an interruption to traffic for the greater part of the day. On the 30th November 1898 there was a breach between Kalahasti and Yerpedu stations and traffic was interrupted for a day. On the same day the line was breached for 384 lineal feet between Venkatagiri and Vendod stations and traffic was interrupted for 5 days. On the 15th January 1898 the trailing axle of a covered goods wagon broke between Chittoor and Puttalapatti stations; the wagon capsized and the 4 following vehicles were derailed. On the 27th March 1898, owing to carelessness on the part of the Traffic staff at Tiruverambur, No. 19 mail train was let into the through siding and collided with a train standing there, causing damage to the rolling-stock. On the 15th April 1898 the axle of the trailing wheels of a covered goods wagon attached to a goods special train broke; the wagon derailed between Olakkur and Tindivanam and was dragged for 2,700 feet, causing damage to the permanent-way. On the 17th April 1898 the front axle of a covered goods wagon broke, the wagon derailed between Budalur and Tiruverambur, and was dragged for 1,500 feet, causing damage to the permanent-way. On the 14th June 1898, 2 covered goods wagons were blown out of Chandragiri station by high wind, ran into Tirupati-west station and collided with a mixed train standing there. Both wagons were damaged and one was derailed. The brake-van of the mixed train was also damaged. On the 20th June 1898 a goods special train ran into the Chingleput station and collided with a goods train which was standing on the lay-bye. The cylinders and cowcatcher of both engines were smashed on one side and the engine of the special was derailed. On the 13th July 1898 the axle of a covered goods wagon attached to a goods train broke, the wagon derailed between Budalur and Tanjore and was dragged for some distance before the train stopped. The damage to the permanent-way was trifling. On the 6th September 1898 when No. 81 mixed train was running between Katpadi and Vellore stations, the four wheels of a third-class carriage and the two leading wheels of the brake-van derailed about 11 posts north of the Pálár bridge and were dragged for $\frac{3}{4}$ mile before the train stopped. The derailed vehicles marvellously kept on the cross sleepers and crossed the Pálár bridge and also an open bridge of 2 spans of 40 feet, a few yards beyond the Pálár bridge. The permanent-way was damaged. On the 1st October 1898 the front and rear axle of a covered goods wagon attached to a goods special train became fractured between Tiruverambur and Budalur. The truck was dragged some distance where the two wheels parted entirely from the axle and dropped into the bed of a river, causing derailment of other trucks with damage to the permanent-way. On the 12th October 1898 the brake-van and two covered goods wagons attached to a goods train were derailed and capsized at 288/9–10 between Vaiyampatti and Ayyalur. The train parted in consequence and ran on for more than half a mile before it stopped. The permanent-way was seriously damaged. On the 5th November 1898

when No. 1 mixed train was running between Ammayanáyakkanúr and Sólavandán stations 12 covered goods wagons and 1 powder-van capsized and 1 third-class carriage was derailed at 329 10–12 with serious damage to the permanent-way and rolling-stock. On the 23rd November 1898, owing to points not being properly set, No. 8 passenger train ran into the through siding at Budalur and collided with the engine of a goods train which was standing there, derailing 2 trucks and damaging 11 trucks of the goods train and 8 trucks of the passenger train.

Employés.

The number of employés on 31st December 1898 on the open line worked by the Company was 12,651 against 12,379 in the previous year. Of this total number, 105 were Europeans, 630 Eurasians, and 11,916 Natives.

Police.

216 police were maintained during the year at a total cost, including Rs. 30,897 being Government supervision charges for 1898, of Rs. 43,194.

Volunteers.

The Volunteer Corps shows 657 efficients, for the year 1898–99 as against 669 for 1897–98. The general efficiency of the corps continues to improve. The figure of merit for 1898–99 has risen from 47 to 56 per cent., and the average score per man from 75 to 89. The corps was not represented at the South Indian Rifle Association Meeting at Bangalore in 1898. The total number enrolled was 729 against 758 in the previous year. A camp of exercise was held at Acharapákkam on the South Indian Railway which proved most instructive.

Medical department.

The medical staff of the Company consists of a Superintending Physician and 19 apothecaries. The cost of working the department for the open line was, exclusive of the cost of medicines, Rs. 2,537 per mensem.

Schools.

Railway schools are established at three of the most important stations. The net cost of the schools to the Company, after allowing for receipts on account of fees and Government grants, was Rs. 1,749, equal to Rs. 11·81 per head on the register.

Stores and materials.

At the close of 1898, the balance of stores in hand was Rs. 23,28,955, against a balance at the close of 1897 of Rs. 23,90,982, showing a decrease of Rs. 62,027. In spite of sales of stores and large issues to works and working expenses, the net decrease amounted to only Rs. 62,027, owing to the receipt of nearly 90 per cent. of coal for 1898–99 before the 31st December 1898. There were also three "F" class engines paid for in November and December 1898, chargeable eventually to working expenses in replacement of condemned engines, but adjustment of their cost was deferred as they had not arrived in India at the end of the year. During the calendar year 1898, 1,864 tons of stores and materials, valued at £21,918, were shipped to India in 27 consignments, besides 50¼ tons of coke from England at an average cost, at port of delivery, of £1–19–8 per ton. The receipts and issues during the year were valued at Rs. 20,93,219 and 21,55,246, respectively.

Rolling-stock.

The total rolling-stock on the line on the 31st December 1898 was as follows :—

| Classification. | Total constructed. | Withdrawn for renewals or repairs. | In running order. |
|---|---|---|---|
| Locomotives ... ... ... ... | 208 | 40 | 168 |
| Coaching vehicles ... ... ... | 911 | 117 | 794 |
| Goods vehicles ... ... ... | 3,344 | 210 | 3,134 |

During the year under report 171 engines passed through the shops. One engine and 23 bogie carriages were fitted with automatic vacuum brakes and the pipes of three vehicles have been removed as they were temporarily fitted. Couplings—seventeen sets for coaching and 166½ sets for goods vehicles—were fitted with Jones' flexible buffers, of which 12 sets of coaching and 57½ sets of goods vehicles have been substituted in lieu of broken ones. Twenty-five engines and 122 carriages have been fitted with Winter's electric inter-communication. £3,400 were sanctioned by the Board of Directors for fitting up five trains with Stones' system of lighting carriages by electricity, but nothing has yet been introduced on this railway. The estimates are under preparation.

Capital transactions.

The total capital outlay on final heads of expenditure up to the 31st December 1898 was Rs. 7,21,86,970. The expenditure of the year on final heads was Rs. 20,61,516.

Traffic and working.

The mean mileage worked during the year 1898 was 1,037·63 miles against 1,041·59 of the previous year, the decrease being due to the section from Gudur to Nellore, 23·71 miles, having been transferred to the Bezwada-Madras Railway on 1st November 1898. The following table compares the general results of the year's working with those of the previous year :—

| Year. | Mean mileage worked. | Train mileage. | Gross earnings. | Working expenses. | Net earnings. | Percentage of working expenses on gross earnings. | Gross earnings per mean mile per week. | Percentage of net earnings on capital outlay including suspense. |
|---|---|---|---|---|---|---|---|---|
| | MILES. | MILES. | RS. | RS. | RS. | | RS. | |
| 1897 .. ... | 1,041·59 | 3,501,524 | 91,81,409 | 48,66,689 | 43,14,720 | 53·01 | 170 | 5·63 |
| 1898 ... ... | 1,037·63 | 3,344,447 | 84,67,581 | 46,15,232 | 38,52,349 | 54·50 | 157 | 5·17 |
| Increase or decrease. | – 3·96 | + 157,077 | – 7,13,828 | – 2,51,457 | – 4,62,371 | + 1·49 | – 13 | – 0·46 |
| Percentage of increase or decrease. | – 0·38 | + 4·49 | – 7·77 | – 5·17 | – 10·72 | ... | – 7·65 | ... |

The divisible surplus profits of the first-half of 1898 amounted to Rs. 8,08,022 and those of the second-half to Rs. 6,30,166, making up a total of Rs. 14,38,188, as against Rs. 18,53,202 in the previous year. The net earnings for the year 1898 were Rs. 38,52,349; and deducting therefrom the Company's share of surplus profits, charges for guaranteed interest, additional contribution to the Provident Fund (the ordinary contribution to the fund being a debit to working expenses) and other incidental adjustments, the result was a gain to the State of Rs. 11,72,981 as against Rs. 15,15,410 in the previous year.

Gross earnings.

The following table shows gross earnings under main heads compared with the previous year :—

| Class of earnings. | 1897. | 1898. | Increase or decrease. |
|---|---|---|---|
| | RS. | RS. | RS. |
| Coaching ... ... ... ... ... | 49,61,965 | 43,89,052 | – 5,72,913 |
| Goods ... ... ... ... ... | 39,19,250 | 38,15,315 | – 1,03,935 |
| Electric telegraph ... ... ... ... | 21,003 | 21,074 | + 71 |
| Sundries ... ... ... ... ... | 2,79,191 | 2,42,140 | – 37,051 |
| Total ... | 91,81,409 | 84,67,581 | – 7,13,828 |

Coaching traffic.

The number of passengers of the various classes carried, including troops and police and season tickets, and the earnings therefrom compare as follows :—

| Year. | First class. | | Second class. | | Third class. | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | Number. | Earnings. | Number. | Earnings. | Number. | Earnings. | Number. | Earnings. |
| | | RS. | | RS. | | RS. | | RS. |
| 1897 ... ... ... | 21,714 | 72,229 | 179,412 | 1,76,033 | 12,625,239 | 44,67,572 | 12,826,365 | 47,15,834 |
| 1898 ... ... ... | 22,750 | 81,760 | 109,792 | 1,55,849 | 11,380,023 | 38,94,269 | 11,512,565 | 41,31,878 |
| Increase or decrease ... | + 1,036 | + 9,531 | – 69,620 | – 20,184 | – 1,245,216 | – 5,73,303 | – 1,313,800 | – 5,83,956 |

The above table shows a net decrease of 1,313,800 in the number of passengers carried and Rs 5,83,956 in receipts. The decrease was due to (1) the restrictions

imposed on account of the plague, (2) the unfavourable season which resulted in poor attendance at important local festivals and (3) the Mahamakham festival which occurs but once in twelve years at Kumbakónam was held in 1897. The average sum received for carrying a passenger one mile amounted to 2·08 pies, the same as in the previous year. The coaching earnings per passenger train mile were Rs. 5·40 against Rs. 2·58.

Goods traffic.

The following is a summary of the tonnage of goods lifted and the earnings therefrom as compared with the previous year:—

| Class of goods earnings. | 1897. | | 1898. | | Increase or decrease. | |
|---|---|---|---|---|---|---|
| | TONS. | RS. | TONS. | RS. | TONS. | RS. |
| General merchandise ... ... | 873,725 | 37,37,638 | 788,058 | 36,18,442 | − 85,667 | − 1,19,196 |
| Military stores ... ... ... | 99 | 2,603 | 314 | 3,003 | + 215 | + 400 |
| Railway materials for construction (Home line only) ... ... | 22,371 | 9,815 | 114,196 | 15,139 | − 91,825 | + 5,324 |
| Coal and coke for the public and foreign railways ... ... ... | 11,640 | 17,913 | 12,810 | 17,426 | + 1,170 | − 487 |
| Coal and coke for revenue only ... | 29,909 | 38,605 | 26,346 | 32,108 | − 3,563 | − 6,497 |
| Revenue stores other than coal and coke ... ... ... ... | 400,171 | 86,537 | 614,623 | 99,173 | + 214,452 | + 12,636 |
| Live-stock ... ... ... ... | 386 | 6,636 | 830 | 8,227 | + 444 | + 1,591 |
| Rents, miscellaneous, &c. ... ... | ... | 19,579 | ... | 21,797 | ... | + 2,218 |
| Total ... | 1,338,301 | 39,19,326 | 1,557,177 | 38,15,315 | + 218,876 | − 1,04,011 |
| *Less* outstandings irrecoverable ... | ... | 76 | ... | ... | ... | 76 |
| Total ... | 1,338,301 | 39,19,250 | 1,557,177 | 38,15,315 | + 218,876 | − 1,03,935 |

The noticeable fluctuations in the traffic under "general merchandise" were increases of 1,332, 5,842, 2,903 and 1,971 tons under raw cotton, sugar, timber, and other articles, respectively, and decreases of 1,085, 67,641, 109, 1,882, 21,056, 5,647 and 1,155 tons under manufactured cotton, grain and pulse, oils, provisions, railway plant and rolling-stock, salt and spices. The average sum received for carrying a ton of goods one mile amounted to 8·60 pies against 8·49 pies in the previous year. The goods earnings per goods train mile were Rs. 2·52 against Rs. 2·48.

Working expenses.

The following table shows the working expenses of the railway during 1898 as compared with the previous year:—

| Accounts heads. | 1897. | | 1898. | | Increase or decrease in amount. | Increase or decrease in the percentage of expenses on earnings. |
|---|---|---|---|---|---|---|
| | Amount. | Percentage on gross earnings. | Amount. | Percentage on gross earnings. | | |
| | RS. | | RS. | | RS. | |
| Maintenance of way, works and stations ... ... ... ... | 11,28,831 | 12·29 | 8,94,377 | 10·56 | − 2,34,454 | − 1·73 |
| Locomotive expenses ... ... | 17,15,875 | 18·69 | 17,03,219 | 20·12 | − 12,656 | + 1·43 |
| Carriage and wagon expenses ... | 5,03,936 | 5·49 | 5,09,528 | 6·02 | + 5,592 | + 0·53 |
| Traffic expenses ... ... ... | 8,23,125 | 8·97 | 7,98,868 | 9·43 | − 24,257 | + 0·46 |
| General charges ... ... ... | 6,20,004 | 6·75 | 6,17,411 | 7·29 | − 2,593 | + 0·54 |
| Special and miscellaneous expenditure ... ... ... ... | 74,918 | 0·82 | 91,829 | 1·08 | + 16,911 | + 0·26 |
| Total ... | 48,66,689 | 53·01 | 46,15,232 | 54·50 | − 2,51,457 | + 1·49 |

1·32 miles were renewed with 50 lb. rails against 12·86 miles in the previous year. The outlay on repairs to stations and buildings, on renewals with cast iron cushions, and additional tie-bars was considerably less than in 1897. Under "unclassified expenditure" special debits were included in 1897 on account of the depreciation in value of stores sold. There was a large decrease under "fuel" and "unclassified expenditure" due to less train mileage run and to the carriage of less coal. There was an arrear credit adjustment of Rs. 18,103 on account of loss on stores. The decrease was partially nullified by increased outlay under "renewals of locomotive engines" due to the supply of steel tyres for engine wheels and to fitting new cranks, coupling rods, and driving axles to "F" class engines, and new axles cranks, and eccentric sheaves to "O" class engines. The increase under carriage and wagon expenses was mainly due to the replacement of old axles by those of larger and stronger type.

Train service. 6·27 per cent. of the trains were late against 6·64 per cent. in 1897

Rates and fares. No important changes were made in rates and fares during the year under report.

### (f) *Máyavaram-Muttupet Railway.*

Open mileage. The Máyavaram-Muttupet Railway from Máyavaram on the South Indian Railway to Muttupet, 53·99 miles in length, was opened for public traffic on 2nd April 1894 and is worked by the South Indian Railway as a part of their system.

Capital transactions. The total capital outlay on final heads of account to the 31st December 1898 was Rs. 24,94,905, and the expenditure of the year on final heads was Rs. 3,051.

General results. The mean mileage worked during the year remained at 53·99 miles. The following table shows the general results of the year's working as compared with those of the previous year:—

| Year. | Mean mileage worked. | Train mileage. | Gross earnings. | Working expenses. | Net earnings. | Percentage of working expenses on gross earnings. | Gross earnings per mean mile worked per week. | Percentage of net earnings on total capital outlay including suspense. |
|---|---|---|---|---|---|---|---|---|
| | MILES. | MILES. | RS. | RS. | RS. | | RS. | |
| 1897 ... ... | 53·99 | 127,177 | 2,66,082 | 1,54,586 | 1,11,496 | 58·10 | 95 | 4·47 |
| 1898 ... ... | 53·99 | 117,947 | 2,46,199 | 1,68,572 | 77,627 | 68·47 | 88 | 3·11 |
| Increase or decrease ... ... | ... | 9,230 | 19,883 | 13,986 | 33,869 | 10·37 | 7 | 1·36 |
| Percentage of increase or decrease ... | ... | 7·26 | 7·47 | 9·05 | 30·38 | ... | 7·37 | ... |

Gross earnings. The following table shows the gross earnings under main heads as compared with the previous year:—

| Class of earnings. | 1897. | 1898. | Increase or decrease. |
|---|---|---|---|
| | RS. | RS. | RS. |
| Coaching ... ... ... ... ... ... | 1,94,333 | 1,75,659 | – 18,674 |
| Goods ... ... ... ... ... ... | 69,400 | 67,869 | – 1,531 |
| Electric telegraph ... ... ... ... | 1,120 | 751 | – 369 |
| Sundries ... ... ... ... ... | 1,229 | 1,920 | + 691 |
| Total ... | 2,66,082 | 2,46,199 | + 19,883 |

Coaching traffic. The number of passengers of the various classes carried, including troops and police and season-ticket holders, and the earnings therefrom were as follows:—

| Year. | First class. | | Second class. | | Third class. | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | Number. | Earnings. | Number. | Earnings. | Number. | Earnings. | Number. | Earnings. |
| | | RS. | | RS. | | RS. | | RS. |
| 1897 ... ... ... | 318½ | 383 | 8,446½ | 3,520 | 1,137,793½ | 1,86,648 | 1,146,558½ | 1,90,551 |
| 1898 ... ... ... | 396½ | 391 | 5,344½ | 2,664 | 1,067,539 | 1,68,760 | 1,073,280 | 1,71,815 |
| Increase or decrease ... | + 78 | + 8 | – 3,102 | – 856 | – 70,254½ | – 17,888 | – 73,278½ | – 18,736 |

The above table shows a net decrease of 73,279 in the number of passengers carried and Rs. 18,736 in the receipts during the year under report. This was due to the restrictions imposed on account of the plague and to the abnormal traffic in 1897 on account of the Mahamakham festival. The average sum received for carrying a passenger one mile amounted to 2·02 pies, the same as in the previous year. The coaching earnings per passenger train mile were Rs. 1·96 against Rs. 2·08.

Goods traffic. The following is a summary of the tonnage of goods lifted and the earnings therefrom, as compared with the previous year:—

| Class of goods earnings. | 1897. | | 1898. | | Increase or decrease. | |
|---|---|---|---|---|---|---|
| | TONS. | RS. | TONS. | RS. | TONS. | RS. |
| General merchandise ... ... ... ... | 59,947 | 63,857 | 53,447 | 61,757 | − 6,500 | − 2,100 |
| Military stores ... ... ... ... ... | 11 | 31 | 6 | 20 | − 5 | − 11 |
| Railway materials for construction (home line only) ... ... ... ... ... ... | 5,194 | 1,041 | 4,954 | 987 | − 240 | − 54 |
| Coal and coke for the public and foreign railways ... ... ... ... ... ... | 87 | 64 | 111 | 48 | + 24 | − 16 |
| Coal and coke for revenue only ... ... | 2,669 | 926 | 2,733 | 948 | + 64 | + 22 |
| Revenue stores other than coal and coke ... | 36,186 | 2,944 | 60,270 | 3,566 | + 24,084 | + 622 |
| Live-stock ... ... ... ... ... ... | 15 | 90 | 24 | 55 | + 9 | − 35 |
| Rents, miscellaneous, &c. ... ... ... | ... | 447 | ... | 488 | . | − 41 |
| Total ... | 104,109 | 69,400 | 121,545 | 67,869 | + 17,436 | + 1,531 |

The average sum received for carrying a ton of goods one mile amounted to 7·73 pies against 7·77 pies in the previous year. The goods earnings per goods train mile were Rs. 2·38 against Rs. 2·06.

Working expenses.

The following table shows the working expenses of the railway during 1898 as compared with the previous year :—

| Heads of accounts. | 1897. | | 1898. | | Increase or decrease in amount. | Increase or decrease in percentage of expenses on earnings. |
|---|---|---|---|---|---|---|
| | Amount. | Per cent. on gross earnings. | Amount. | Per cent. on gross earnings. | | |
| | RS. | | RS. | | RS. | |
| Maintenance of way, works, &c. ... | 32,780 | 12·32 | 26,096 | 10·60 | − 6,684 | − 1·72 |
| Locomotive expenses ... ... | 49,814 | 18·72 | 49,752 | 20·21 | + 62 | + 1·49 |
| Carriage and wagon expenses ... | 14,620 | 5·50 | 14,878 | 6·04 | + 258 | + 0·54 |
| Traffic expenses ... ... ... | 23,896 | 8·98 | 23,332 | 9·48 | + 564 | + 0·50 |
| General charges ... ... ... | 17,996 | 6·76 | 18,028 | 7·32 | + 32 | + 0·56 |
| Special and miscellaneous expenditure ... ... ... ... | 15,480 | 5·82 | 36,486 | 14·82 | + 21,006 | + 9·00 |
| Total ... | 1,54,586 | 58·10 | 1,68,572 | 68·47 | + 13,986 | + 10·37 |

The increase under "special and miscellaneous" is chiefly due to the current and arrear debits on account of interest on the outlay on works solely and jointly used by Máyavaram-Muttupet Railway at Máyavaram and Tiruválúr not previously charged, pending Government of India sanction, to the working agreement and to the schedule of joint works.

## *Peralam-Karaikkal Railway.*

Open mileage.

The Peralam-Karaikkal Railway from Peralam on the Máyavaram-Muttupet Railway, 14·45 miles in length, was opened for public traffic on 14th March 1898, and is worked by the South Indian Railway as a part of their system.

Capital transactions.

The total capital outlay on final heads of account to the 31st December 1898 was Rs. 7,21,658, and the expenditure of the year on final head was Rs. 1,49,433.

General results.

The following table shows the general results of working from date of opening to the 31st December 1898 :—

| Year. | Mean mileage worked. | Train mileage. | Gross earnings. | Working expenses. | Net earnings. | Percentage of working expenses on gross earnings. | Gross earnings per mean mile worked per week. | Percentage of net earnings on total capital outlay including suspense. |
|---|---|---|---|---|---|---|---|---|
| | MILES. | MILES. | RS. | RS. | RS. | | RS. | |
| 1898 ... ... | 11·60 | 15,081 | 19,733 | 11,878 | 7,855 | 60·19 | 32·71 | 1·09 |

Gross earnings.

The gross earnings under main heads were as follows :—

| | RS. |
|---|---|
| Coaching ... ... ... ... ... ... ... ... ... ... ... | 16,440 |
| Goods ... ... ... ... ... ... ... ... ... ... ... | 2,991 |
| Electric telegraph ... ... ... ... ... ... ... ... ... ... | 110 |
| Sundries ... ... ... ... ... ... ... ... ... ... ... | 192 |
| Total ... | 19,733 |

**Coaching traffic.**

The number of passengers of the various classes carried including troops and police and season-tickets and the earnings therefrom were as follows :—

| Year. | First class. | | Second class. | | Third class. | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | Number | Earnings. | Number. | Earnings. | Number. | Earnings. | Number. | Earnings. |
| | | Rs. | | Rs. | | Rs. | | Rs. |
| 1898 ... ... | 218¼ | 170 | 1,080¼ | 404 | 133,262 | 15,572 | 134,561 | 16,146 |

The average sum received for carrying a passenger one mile amounted to 2·04 pies. The coaching earnings per passenger train mile were Rs. 1·20.

**Goods traffic.**

The following is a summary of the tonnage of goods lifted and the earnings realized therefrom :—

| | Tons. | Rs. |
|---|---|---|
| General merchandise ... ... ... ... ... ... ... ... | 3,048 | 2,760 |
| Railway materials for construction (home line only) ... ... ... | 50 | 8 |
| Revenue stores other than coal and coke ... ... ... ... | 3,251 | 141 |
| Live-stock ... ... ... ... ... ... ... ... ... | 3 | 5 |
| Rents, miscellaneous, &c. ... ... ... ... ... ... | ... | 77 |
| Total ... | 6,352 | 2,991 |

The average sum received for carrying a ton of goods one mile amounted to 10·77 pies. The goods earnings per goods train mile were Rs. 2·15.

**Working expenses.**

The following table shows the working expenses of the line during the period it was open in 1898 :—

| | Amount. | Per cent. on gross earnings. |
|---|---|---|
| | Rs. | |
| Maintenance of way, works and stations ... ... ... ... ... | 2,084 | 10·56 |
| Locomotive expenses ... ... ... ... ... ... ... ... | 4,031 | 20·43 |
| Carriage and wagon expenses ... ... ... ... ... ... | 1,200 | 6·08 |
| Traffic expenses ... ... ... ... ... ... ... ... | 1,887 | 9·56 |
| General charges ... ... ... ... ... ... ... ... | 1,453 | 7·36 |
| Special and miscellaneous expenditure ... ... ... ... ... | 1,223 | 6·20 |
| Total ... | 11,878 | 60·19 |

## IMPERIAL POST. (1898–99.)

**Post offices, letter-boxes, postmen and village postmen.**

There were 2,097 post offices, 2,907 letter-boxes, 1,339 postmen and 1,073 village postmen at the close of the year under report against 2,057 post offices, 2,726 letter-boxes, 1,303 postmen and 1,029 village postmen during the previous year, showing an increase of 40 post offices, 181 letter-boxes, 36 postmen and 44 village postmen. 54 new offices and 286 letter-boxes were opened against 14 offices and 105 letter-boxes closed.

**Mail lines.**

The total length of the railway line at the close of the year over which mails were conveyed was 3,899 miles against 3,668½ miles during the previous year. The only extension of the railway during the year was from Bezwada to Ennur, a distance of 255 miles. The section of the railway between Gudur and Nellore, which was worked by the South Indian Railway, was transferred to the East Coast Railway with effect from the 1st November 1898. On the 31st March 1899, there was a net increase of 230½ miles in the total length of railway lines in this circle. There was an increase of 41 miles in the length of the mail cart lines, the total length of these lines at the close of the year being 551¾ miles against 510¾ miles in 1897–98. This was due to the introduction of jutka services between Kanadukathan and Oyakondan Siruvayal, between Kolar and Mulbagal, and between Dodballapur and Chikballapur, the distances being 6¾, 18¼ and 16 miles, respectively. There was a net decrease of 271¾ in the total length of lines served by runners which was due to the abolition of several runners' lines when the East Coast Railway, was extended from Bezwada to Ennur. The total length of these lines was 11,224½ miles at the close of the year against 11,496½ miles in 1897–98. The total length of the boat lines at the close of the year was 18 miles against 25 miles during the previous year. The decrease of 7 miles was due to the abolition of the boat line between Attipattu and Ennur in consequence of the extension of the East Coast Railway from Bezwada to Ennur. There was no change in the length of the steamer lines, the total length

of these lines at the close of both the years being 2,377 miles. The net result in the total length of all classes of mail lines in this circle was a decrease of $7\frac{1}{4}$ miles or from $18,077\frac{9}{32}$ miles to $18,070\frac{1}{32}$ miles.

The following statement exhibits an estimate of the correspondence during 1898-99 as compared with the figures of the previous year :— Estimate of the correspondence for the year.

| Description of articles. | Number given out for delivery in 1897-98. | Number given out for delivery in 1898-99. | Increase in the number given out for delivery. | Decrease in the number given out for delivery. | Percentage of increase. | Percentage of decrease. |
|---|---|---|---|---|---|---|
| Letters paid ... ... ... ... ... | 36,362,586 | 36,105,394 | ... | 257,192 | ... | ·707 |
| Do. unpaid ... ... ... ... ... | 2,967,744 | 2,957,188 | ... | 10,556 | ... | ·35 |
| Do. registered ... ... ... ... | 2,048,878 | 2,073,720 | 23,842 | ... | 1·16 | ... |
| Do. value-payable, registered ... ... | 84,500 | 88,816 | 4,316 | ... | 5·107 | ... |
| Do. insured ... ... ... ... ... | 31,122 | 32,500 | 1,378 | ... | 4·42 | ... |
| Do. service privileged ... ... ... | 1,932,658 | 2,162,082 | 229,424 | ... | 11·87 | ... |
| Post-cards, single ... ... ... ... ... | 27,706,614 | 28,760,004 | 1,053,390 | ... | 3·801 | ... |
| Do. reply ... ... ... ... ... | 1,147,406 | 1,175,174 | 27,768 | ... | 2·42 | ... |
| Newspapers ... ... ... ... ... | 5,455,476 | 5,330,130 | ... | 125,346 | ... | 2·29 |
| Book and pattern packets, unregistered ... | 4,176,952 | 4,277,520 | 100,568 | ... | 2·407 | ... |
| Do. do. registered ... ... | 50,960 | 51,142 | 182 | ... | ·35 | ... |
| Book packets, value-payable, registered ... | 30,030 | 25,922 | ... | 4,108 | ... | 13·67 |
| Do. do. unregistered ... | 184,938 | 232,882 | 47,944 | ... | 25·92 | ... |
| Registered parcels, paid ... ... ... ... | 143,650 | 157,534 | 13,884 | ... | 9·66 | ... |
| Do. unpaid ... ... ... | 66,352 | 72,384 | 6,032 | ... | 9·09 | ... |
| Do. insured ... ... ... | 51,090 | 51,324 | 234 | ... | ·45 | ... |
| Do. value-payable ... ... | 145,080 | 140,452 | ... | 4,628 | ... | 3·18 |
| Unregistered parcels, ordinary ... ... ... | 28,704 | 34,502 | 5,798 | ... | 20·19 | ... |
| Do. value-payable ... ... | ... | 6,838 | 6,838 | ... | ... | ... |
| Total ... | 82,614,740 | 83,734,508 | 1,521,598 | 401,830 | ... | ... |
| Net increase ... | ... | ... | 1,119,768 | ... | 1·35 | ... |
| Total number of articles given out for delivery in 1898-99 ... ... | ... | 83,734,508 | ... | ... | ... | ... |
| Total number of articles returned undelivered in 1898-99 ... ... | ... | 2,134,782 | ... | ... | 2·54 | ... |
| Total number of articles given out for delivery in 1897-98 ... ... | 82,614,740 | ... | ... | ... | ... | ... |
| Total number of articles returned undelivered in 1897-98 ... ... | 2,084,472 | ... | ... | ... | 2·52 | ... |

The figures show an increase under all heads except under paid and unpaid letters, newspapers, value-payable registered book packets and value-payable registered parcels. Except in the case of value-payable registered book packets, the decrease is too slight to call for remarks. The comparatively large decrease under value-payable registered book packets may be attributed to the suspension of trade in Bombay and Bangalore owing to the plague, and that under newspapers, presumably to the abolition of the privileged newspaper system. Taking all classes of articles given out for delivery, there was a net increase of 1,119,768 or 1·35 per cent. over the total for the previous year. Of the number of articles given out for delivery in 1898-99, 2·54 per cent. were returned undelivered against 2·52 per cent. in the preceding year.

The privileged publication system was abolished with effect from the 1st October 1898 and in its place was substituted the system of registered newspapers. During the period from the 1st October 1898 to the 31st March 1899, 146 newspapers were registered against 129 privileged publications which were borne on the registers of the Post Office on the 30th September 1898. Newspapers.

The following statement shows the number and value of money orders of all kinds issued and paid during the last two years :— Money orders.

| Years. | Money orders issued. | | Commission. | Money orders paid. | | Average value of each money order. | |
|---|---|---|---|---|---|---|---|
| | Number. | Amount. | | Number. | Amount. | Issued. | Paid. |
| | | Rs. A. P. | Rs. A. P. | | Rs. A. P. | Rs. | Rs. |
| 1897-98 ... ... | 1,473,637 | 2,97,23,101 7 1 | 3,08,490 2 0 | 1,579,749 | 3,61,09,681 6 10 | 20 | 23 |
| 1898-99 ... ... | 1,562,550 | 3,07,68,851 9 9 | 4,15,286 7 0 | 1,683,830 | 3,72,54,980 11 3 | 20 | 22 |
| Increase of 1898-99 over 1897-98 ... | 88,913 | 10,45,750 2 8 | 16,796 5 0 | 104,081 | 11,45,299 4 5 | ... | ... |
| Percentage of increase. | 6·03 | 3·51 | 4·21 | 6·58 | 3·17 | ... | ... |

The number of inland telegraphic money orders issued increased from 20,425 to 21,382 and their amount from Rs. 25,75,456 to Rs. 27,53,189, while that of money orders paid fell from 55,289 to 52,381 and their amount from Rs. 54,39,293 to Rs. 44,24,892. The decrease both in the issue and payment of money order of this class is due to the stoppage of heavy remittances made in 1897-98 from the famine districts for the purchase of food-grains. The number of foreign money orders issued and their value increased by 1,960 and Rs. 49,650, respectively, while the number of this class of money orders paid also rose from 52,770 in 1897-98 to 66,165. The value of the orders paid during the year under report showed also an increase of Rs. 4,82,957. The number of British postal orders sold during the year increased by 5·21, but the business is still of an insignificant nature.

Value-payable articles.

The following table furnishes the statistics of value-payable articles of all kinds posted during the last two years :—

| Years. | Number. | Value. | Commission. |
|---|---|---|---|
| | | Rs. | Rs. |
| 1897 98 ... ... ... ... ... ... .. ... | 242,358 | 23,04,775 | 45,729 |
| 1898 99 ... .. ... ... ... ... ... ... | 265,871 | 27,40,991 | 52,176 |
| Increase of 1898-99 over 1897-98 .. ... ... ... | 23,513 | 4,36,217 | 6,446 |
| Percentage of increase ... ... . ... ... ... | 9·702 | 18·92 | 14·09 |

Insurance.

Statistics of insured articles posted during the last two years are shown in the table below :—

| Years. | Insured letters. | | Insured parcels. | | Total. | | |
|---|---|---|---|---|---|---|---|
| | Number. | Value. | Number. | Value. | Number. | Value. | Commission. |
| | | Rs. | | Rs. | | Rs. | Rs. |
| 1897-98 ... ... ... ... | 27,801 | 68,99,462 | 39,767 | 94,87,312 | 67,568 | 1,63,86,774 | 44,215 |
| 1898-99 ... ... ... ... | 28,776 | 74,64,205 | 43,014 | 11,276,108 | 71,790 | 1,87,40,313 | 50,720 |
| Increase ... ... ... | 975 | 5,64,743 | 3,247 | 17,88,796 | 4,222 | 23,53,539 | 6,505 |
| Percentage of increase ... ... | 3·507 | 8·18 | 8·16 | 18·85 | 6·24 | 14·36 | 14·71 |

There has been a marked increase in the number and value of insured articles posted during 1898-99 and also in the commission earned by the department. The increase is believed to be mainly, if not wholly, due to the plague. In Bangalore, Mysore and other places when the plague first broke out, the Marwaris and others closed their houses and fled to their houses in other parts of India sending their valuables by post, for fear lest they should be robbed in the plague camps on the way. During the year under report compensation on account of damage to or loss of insured articles was paid in nine cases amounting to Rs. 432 against Rs. 627. Of this only Rs. 229 was in respect of the three losses which occurred in this circle, the remaining Rs. 203 being the compensation paid to the senders or addressees of foreign parcels which were either lost or damaged in the sea.

Savings' bank.

The following statement shows the Savings' bank transactions during the last two years :—

| Years. | Deposits. | | Withdrawals. | | Savings' bank accounts remaining open. | |
|---|---|---|---|---|---|---|
| | Number. | Amount. | Number. | Amount. | Number. | Amount. |
| | | Rs. | | Rs. | | Rs. |
| 1897-98 ... ... | 150,369 | 47,41,346 | 121,231 | 55,63,271 | 114,179 | 65,12,427 |
| 1898-99 ... ... | 154,132 | 47,29,612 | 114,285 | 48,84,719 | 116,868 | 64,58,656 |
| Increase ... ... | ... | ... | ... | ... | 2,689 | ... |
| Decrease ... ... | ... | ... | ... | ... | ... | 53,771 |
| Percentage of increase ... | ... | ... | ... | ... | 2·35 | ·82 |

Complaints made by the public against the post offices.

During the year under report, the total number of complaints received was 3,574 against 3,587 in the previous year, there being thus a decrease of 13 or ·36 per cent. During the year a decrease in the number noted against the mufassal post offices, namely, 171, was counterbalanced by an increase of 158 against the Presidency Post Office. The number of complaints pending at the close of the year was only 176 or 4·92 per cent. Of those that were disposed of, 1,414 or 39·56 per cent. were found to be well grounded, 1,354 or 37·86 per cent. were groundless, while in the remaining 630 or 17·66 per cent. enquiries proved unsuccessful. The percentage of the last three classes for the preceding year was 34·31, 42·007 and 17·50, respectively. The increased proportion of complaints found to be well grounded is probably due in some measure to the plague which disorganized the working of several offices and mail lines in the circle.

Offences by postal officials.

There were 31 cases in which 29 officials were convicted and punished by Criminal Courts and 49 cases in which departmental punishments were awarded to an equal number of officials, thus making a total of 80 cases against 74 in the previous year in which the offenders were punished. Besides these, there were 19 cases in which the offenders absconded and seven cases which remained undecided at the close of the year.

Mail robberies.

Seven cases of highway robbery were reported during the year under report as against an equal number in the previous year. Of these, three were committed on the same line in Cuddapah, two in Tinnevelly, one in Coimbatore and one in Kurnool. In two cases the robbers were convicted, in two more the offenders were discharged, in one the culprits were reported to be undetected and the remaining two were still in hands of the police. There were also two attempts to rob the mail, one of them in the Tinnevelly district, the other in the French territory near Pondicherry ; the offenders in the former were left undetected, but in the latter they were convicted by the French authorities. There was also a case of false report of robbery during the year. The runner concerned in this wanted to implicate some of his enemies, but was himself prosecuted and convicted.

Combined post and telegraph offices.

There were 295 combined offices at the close of the year against 282 during the previous year. The number of messages also increased from 1,139,694 to 1,204,657. The net revenue during the year was Rs. 2,74,245 against Rs. 2,93,339 in the previous year. The decrease might be attributed to the general depression in trade and the dislocation of business caused by the prevalence of plague.

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## DISTRICT POST. (1898-99.)

The grant fixed for the year was the same as that for the preceding year, viz., Rs. 1,07,000. The total expenditure decreased from Rs. 1,07,527 to Rs. 1,03,869 and the income from Rs. 63,564 to Rs. 62,931, producing a deficit of Rs. 40,938 against Rs. 43,963 last year. During the year under report one branch office was transferred to the Imperial Post as being remunerative, and another was closed and the establishment transferred to the Barur Post office which was newly opened. There were thus one sub-office and 138 branch offices open on the 31st March 1899 as against 1 sub-office and 132 branch offices open on the 31st March 1898. There were 681 letter-boxes on the 31st March 1898. 78 were planted during the year and 28 closed or transferred to the Imperial Post, so that there were 731 letter-boxes on the 31st March 1899. There were five postmen in employ on the 31st March 1899 against seven in employ on the 31st March 1898, two having been transferred to the Imperial Post during the year. The year opened with 736 village postmen. Three were newly entertained during the year, and 37 transferred to the Imperial Post. There were thus 702 village postmen at the close of the year. New runners' lines of the total length of 115 miles were opened. The most important line opened was that between Hunsur and Manantoddy in the Malabar district—a distance of 55 miles. The length of the runners' lines abolished during the year was 48 miles. The total mileage of the District Post lines at the close of the year was 1,776½ as against 1,709½ at the close of the previous year. The number of runners

was also increased from 304 on the 31st March 1898 to 316 on the 31st March 1899. The total number of articles posted for despatch decreased from 1,683,434 to 1,392,734, and that of articles received for delivery and of articles returned undelivered from 3,031,453 and 177,269 to 2,549,440 and 169,490, respectively. There has been a decrease under all heads except under money orders issued, parcels despatched, unpaid newspapers and packets, both received and despatched, and registered articles and unpaid parcels received for delivery. It is believed that the general fall was due to the prevalence of plague in several parts of the Madras Circle. In the Bellary, Kurnool and the Nilgiri districts, temporary establishments for plague purposes were sanctioned by Government from the District Post funds. At the close of the year, the total cost of these establishments amounted to Rs. 163 per mensem.

## IMPERIAL TELEGRAPHS. (1898-99.)

The following tables furnish statistics of telegraph lines and offices in the Province of Madras for the year 1898-99:—

*Lines.*

| Year. | Mileage of lines. | | | | Mileage of wire (including cables). | | | |
|---|---|---|---|---|---|---|---|---|
| | At the end of the previous year. | Added during the year. | Deducted during the year. | Remaining at the end of the year. | At the end of the previous year. | Added during the year. | Deducted during the year. | Remaining at the end of the year. |
| 1898-99 .. | 7,715 | 165 | ... | 7,880 | 23,147 | 809 | ... | 23,956 |
| Compare 1897-98. | 7,565 | 150 | ... | 7,715 | 22,434 | 713 | ... | 23,147 |

*Offices.*

| | Number of telegraph offices open at the end of the previous year. | Number opened during the year. | Number closed during the year. | Number open at the end of the year. | Number of telegrams despatched during the year from Government offices. | Decrease as compared with the previous year. | Indian share of collections. |
|---|---|---|---|---|---|---|---|
| Government offices ... | 303 | 14 | 1 | 316 | | | RS. A. P. |
| Railway and canal offices. | 62 | 19 | 1 | 80 | | | |
| Offices not open for paid telegrams ... ... | 154 | 31 | 16 | 169 | 1,078,609 | 4,489 | 14,52,504 9 3 |
| Total ... | 519 | 64 | 18 | 565 | | | |
| Compare 1897-98 ... | 459 | 61 | 1 | 519 | 1,083,098 | + 95,203 | 15,21,714 8 2 |

Government offices were opened at Anjengo, Palghat, Bhaváni, Devicolum, Ganguli, Karambakudy, Kollegal, Munnar, Nandyal, Pattikonda, Petai, Rajahmundry City, Tiruchengódu, Tripunittura, and Railway offices at Allúru Road, Amanabrolu, Appikatla, Bitragunta, Chírála, Chinna Ganjám, Karavadi, Kávali, Kistna Canal Junction, Nellore, Ongole, Podugupadu, Singarayakonda, Talamanchi, Tettu, Tungatur, Ulavapad, Vétapálemu (Bezwada-Madras Railway), and Chódavaramu (East Coast Railway); and one Government office was closed at Sholinghur and one Railway office at Tadepalli (Bezwada-Madras Railway).

# CHAPTER V.

## REVENUE AND FINANCE. (1898-99.)

### I.—GROSS RECEIPTS AND DISBURSEMENTS.

Gross revenue and expenditure.

THE following statement exhibits the gross revenue and expenditure of the Madras Presidency for each of the past four years. The receipts and charges of the Military and of the Military Works department having been included in the figures prior to 1895-96, no useful comparison is feasible between the figures recorded before the abolition of the Presidential Army system and those of subsequent years. The statement as usual includes the service receipts and charges of the Civil and Public Works departments and of the Excluded Local Funds and the sums issued to, and received from, the Postal and Telegraph departments as they appear in the Treasury accounts; but it excludes all figures relating to Debt and Foreign transactions. The figures of 1898-99 are subject to alteration until the Revenue and Finance accounts of that year are closed by the Comptroller-General:—

| Years. | Revenue. | Expenditure. | Surplus. | Deficit. | Provincial and local surplus and deficit not included in the income and expenditure, columns 2 and 3. | |
|---|---|---|---|---|---|---|
| | | | | | Surplus. | Deficit. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | RS. | RS. | RS. | RS. | RS. | RS. |
| 1895-96 ... ... | 15,33,91,091 | 8,89,33,106 | 6,44,57,985 | ... | 8,17,706 | ... |
| 1896-97 ... ... | 14,95,02,555 | 9,38,41,425 | 5,56,61,130 | ... | ... | 22,88,424 |
| 1897-98 ... ... | 15,61,88,280 | 10,06,59,591 | 5,55,28,689 | ... | ... | 17,04,336 |
| 1898-99 ... ... | 15,77,70,680 | 9,02,56,766 | 6,75,13,914 | ... | 10,17,521 | ... |

The surplus of the year under report was the best in the past four years. That of 1897-98 was worse than the figure reached in 1896-97 by a lakh and-a-quarter only, whereas that of 1898-99 exceeded the surplus of 1897-98 by 119¾ lakhs. This increase was made up of an improvement of 15¾ lakhs in the receipts and 104 lakhs in the outgoings of the year under report over those of the previous one. The receipts of the Civil department alone showed a net increase of 24½ lakhs principally under Land Revenue and Salt and those of the Postal department increased by 4½ lakhs. But these improvements were partially counterbalanced by a fall of 13¾ lakhs in the receipts of the Public Works department chiefly Railways which was due to Plague preventive measures having seriously interfered with the free movement of Railway passengers travelling third class. Moreover in 1897-98, Famine traffic in food-grains greatly enhanced the earnings of Railway Companies. As regards expenditure the actuals of 1897-98 were greatly swelled by expenditure on Famine Relief Works. In that year the direct expenditure charged against 33. Famine Relief alone amounted to 90½ lakhs, whilst the corresponding expenditure on account of Plague in the year under report charged to 24. Medical was only a little less than 7 lakhs. The expenditure on Railways also fell considerably below the actuals of the previous year.

Opening and closing balances

The cash balances which stood at 425 lakhs on 1st April 1898 fell to nearly 252½ lakhs on the 31st March 1899 on which date they were distributed as follows :—

| — | 31st March 1898. | 31st March 1899. | Difference. |
|---|---|---|---|
| | RS. | RS. | RS. |
| Branch Reserve treasury ... | 1,68,04,357 | 47,24,016 | – 1,20,80,341 |
| District treasuries ... | 1,80,29,584 | 1,61,56,591 | – 18,72,993 |
| Bank of Madras ... | 21,43,585 | 19,70,426 | – 1,73,159 |
| Branches of the Bank ... | 55,32,950 | 23,89,992 | – 31,42,958 |
| Total ... | 4,25,10,476 | 2,52,41,025 | – 1,72,69,451 |

The reduction in the cash balances on the 31st March of the year under report was due, as will be seen hereafter, to the very large remittances to other provinces effected by bills, wire and through the currency. The remittances in the previous year were comparatively small. The drawings by the Secretary of State exceeded those of the previous year by 88¼ lakhs.

Debt and foreign transactions.

The following is a summary of the more important receipts and disbursements under debts and foreign transactions :—

| — | 1897-98. | 1898-99. | — | 1897-98. | 1898-99. |
|---|---|---|---|---|---|
| *Receipts.* | RS. IN LAKHS. | RS. IN LAKHS. | *Charges.* | RS. IN LAKHS. | RS. IN LAKHS. |
| Guaranteed railways ... ... | 67½ | 57¾ | Interest on Government securities ... ... ... | 33¼ | 33¼ |
| South Indian Railway ... | 45 | 40½ | Southern Mahratta Railway. | 4¼ | 6 |
| Receipts from Home Government ... ... ... ... | ¾ | 1 | East Coast Railway ... | 5 | 5¼ |
| London bills outstanding ... | ½ | ... | London bills paid ... ... | ... | 3½ |
| Mysore Assigned Tracts ... | 3¾ | 3 | Remittance to other provinces including council bills. | 191¼ | 628 |
| Advances, cheques and bills ... | ... | ... | Loans ... ... ... ... | 14½ | .. |
| Other deposits ... ... | ¾ | ... | Advances, cheques and bills. | 1½ | ½ |
| Repayment of loan ... ... | ... | 4½ | Exchange transactions ... | 90 | 110¼ |
| Cash and departmental balance lowered ... ... | ... | 171½ | Other deposits ... ... | ... | 11 |
| | | | Bezwada-Madras railway ... | 32½ | 20 |
| Total ... | 118¼ | 278 | Cash and departmental balance increased ... ... | 193¼ | ... |
| | | | Net unadjusted debits ... | 108 | 126 |
| Add surplus revenue ... | 555¼ | 675½ | | | |
| Grand Total ... | 673½ | 953¼ | Total ... | 673½ | 953¼ |

Remittances to other provinces.

The following statement shows the different ways in which remittances were made to and from other provinces during the past two years :—

| — | 1897-98. | 1898-99. | — | 1897-98. | 1898-99. |
|---|---|---|---|---|---|
| *Remittances from Madras.* | RS. IN LAKHS. | RS. IN LAKHS. | *Remittances to Madras.* | RS. IN LAKHS. | RS. IN LAKHS. |
| Bills and wire payments on Calcutta ... ... ... | 53 | 78 | Bills and wire transfers from Calcutta ... ... ... | 31½ | 17½ |
| Bills and wire payments on Bombay ... ... ... | 67½ | 147 | Bills and wire transfers from Bombay ... ... ... | 10½ | 4¼ |
| Transfer to currency ... | 90 | 304¾ | Bills and wire transfers from Coorg ... ... ... | 1½ | 3½ |
| Specie ... ... ... ... | 7½ | 10½ | Small silver coin ... ... | 15¼ | ... |
| Currency notes ... ... | ½ | 9 | Currency notes ... ... | 9¼ | 10 |
| Uncurrent silver ... ... | ... | 6½ | Transfers (through currency), Calcutta ... ... ... | 120 | 120 |
| Small silver coin ... ... | ¾ | 1 | Copper coin ... ... ... | 4¾ | ... |
| Copper coin ... ... ... | ¼ | ¼ | | | |
| Council bill payments ... | 255 | 343¼ | Total received ... | 192½ | 155½ |
| Total sent ... | 474¼ | 900½ | Net sent from Madras ... | 281¾ | 745 |

As already stated the remittances to other provinces during the year under report largely exceeded those in the previous year due probably to the large balance at the beginning of the year consequent on the comparatively limited drawings in the previous year. The amount of specie sent to Coorg in the year

under report to meet supply bills and wire transfers issued in favour of the Planting community exceeded that sent in the previous year by 3 lakhs. The increase in the currency note remittances was due to a change of practice under which foreign circle notes are now remitted by Treasuries direct to the Headquarters Treasury of the Currency Circle to which the notes belong. Formerly the notes were remitted to the Madras Currency Office which despatched them as currency remittances to the circles concerned. Uncurrent silver is now allowed to accumulate and remitted to the mint in large quantities from convenient centres. No small silver coins were received from other presidencies in the year under report as coins which were issued in large quantities during the famine in 1897–98 were finding their way back into the treasuries.

*Supply of different kinds of money—Currency notes.*

District treasuries remitted to the Reserve treasury at Madras surplus non-issuable notes to the value of 19⅓ lakhs against 12½ and 21¾ lakhs in 1897–98 and 1896–97, respectively. On the other hand fresh currency notes aggregating in value Rs. 11 lakhs were remitted from the Reserve treasury to District treasuries. The remittances made in 1897–98 and 1896–97 were 20¼ and 11¼ lakhs, respectively.

*Small silver coin.*

The following table gives in thousands of rupees the small silver balances at the close of 1897–98 and 1898–99 :—

| — | Revenue treasuries. | Currency treasuries. | Small coin depot. | Total. |
|---|---|---|---|---|
| 31st March 1898 ... ... ... ... | 10,60 | 5,83 | 5 | 16,48 |
| 31st March 1899 ... ... ... ... | 8,50 | 10,77 | 4 | 19,31 |
| Difference ... | —2,10 | + 4,94 | — 1 | + 2,83 |

As already stated no small silver remittances were received during the year from other Presidencies or Provinces. But small silver aggregating one lakh in value was sent to Coorg against three-quarters of a lakh in the previous year. Of the remittance of 15¼ lakhs received in 1897–98, 14½ lakhs of which 6½ lakhs were in quarter and 8 lakhs in eighth rupees came from Bombay. Three-quarters of a lakh received from Calcutta consisted of a little under half a lakh each in quarter and eighth rupees. The amount of local circulation decreased in the year under report by 383 thousands against an increase of 990 and 478 thousands in 1897–98 and 1896–97, respectively.

*Copper coin.*

The quantity of copper coin which remained at the close of the past two years is shown below in thousands of rupees :—

| — | Revenue treasuries. | Small coin depot. | Uncurrent. | Total. |
|---|---|---|---|---|
| 31st March 1898 ... ... ... ... | 4,53 | 3,74 | 20 | 8,47 |
| 31st March 1899 ... ... ... ... | 4,54 | 4,96 | 20 | 9,70 |
| Difference ... | + 1 | + 1,22 | ..... | + 1,23 |

The only copper remittance received during the year under report from other Provinces was that of pie pieces to the value of Rs. 10,000 from the small coin depot, Calcutta. The return into the treasuries of the copper issued during the famine in 1897–98 rendered any remittance in other denomination of copper unnecessary. As in the case of small silver the copper remittances received from other Presidencies in 1897–98 were very large on account of the requirements of famine. A little over 4½ lakhs worth of copper coins were received in that year. All came from Calcutta with the exception of Rs. 5,000 in pie pieces from Bombay. As in 1897–98 the issues were a little less than a quarter of a lakh, all of which was sent to Coorg. The local circulation as will be seen from the foregoing statement fell by 123 thousands against an increase of 79 and 148 thousands in 1897–98 and 1896–97, respectively.

**Mode of keeping accounts.**

No changes in classification were carried out in the accounts of the year under report.

## II.—DETAILED INCOME AND EXPENDITURE.

The following statements show, under major heads, the receipts and charges of the Imperial, Provincial and Local Fund services in 1897-98 and 1898-99 :—

*Imperial, Provincial and Local Fund Receipts.*

| Major head of account. | Imperial. | | Provincial. | | Local. | | Total. | | Actuals of 1898-99 compared with those of 1897-98. |
|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | |
| *Principal Heads of Revenue.* | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| I. Land revenue .. | 3,88,12,619 | 3,81,41,276 | 1,50,28,821 | 1,72,65,627 | 22,87,341 | 21,17,050 | 5,61,28,781 | 5,75,23,953 | +13,95,172 |
| III. Salt ... ... | 1,71,92,633 | 1,98,99,115 | 76,977 | 85,015 | .. | ... | 1,72,69,610 | 1,99,84,130 | +27,14,520 |
| IV. Stamps ... .. | 21,05,065 | 20,66,703 | 63,15,194 | 62,00,109 | .. | ... | 84,20,259 | 82,66,812 | — 1,53,447 |
| V. Excise ... ... | 1,09,64,583 | 1,02,58,067 | 36,54,861 | 34,19,356 | ... | ... | 1,46,19,444 | 1,36,77,423 | — 9,42,021 |
| VI. Provincial rates .. | .. | ... | .. | ... | 78,98,269 | 77,10,755 | 78,98,269 | 77,10,755 | — 1,87,514 |
| VII. Customs ... ... | 42,88,305 | 35,58,001 | 70,080 | 79,777 | .. | ... | 43,58,385 | 36,37,778 | — 7,20,607 |
| VIII. Assessed taxes ... | 12,77,469 | 13,39,577 | 12,36,727 | 12,99,126 | . | ... | 25,14,196 | 26,38,703 | + 1,24,507 |
| IX. Forest ... .. | 10,68,246 | 10,55,259 | 10,68,246 | 10,55,259 | ... | ... | 21,36,492 | 21,10,518 | — 25,974 |
| X. Registration ... .. | 7,65,254 | 6,45,435 | 7,65,254 | 6,45,435 | .. | ... | 15,30,508 | 12,90,870 | — 2,39,638 |
| XI. Tributes ... ... | 45,10,902 | 45,10,902 | .. | .. | .. | . | 45,10,902 | 45,10,902 | ... |
| XII. Interest ... . . | 3,14,991 | 3,11,695 | 1,72,717 | 2,59,316 | 49,805 | 52,853 | 5,37,543 | 6,23,864 | + 86,321 |
| *Receipts by Civil Department.* | | | | | | | | | |
| XVI. Law and justice— | | | | | | | | | |
| A. Courts of Law ... | ... | .. | 8,04,096 | 7,98,991 | 23,997 | 23,713 | 8,28,093 | 8,22,704 | — 5,389 |
| B. Jails ... ... | ... | . | 4,49,742 | 4,21,297 | ... | ... | 4,49,742 | 4,21,297 | — 28,445 |
| XVII. Police .. ... | ... | ... | 4,37,974 | 4,49,850 | ... | ... | 4,37,974 | 4,49,850 | + 11,876 |
| XIX. Education ... ... | ... | ... | 1,79,516 | 1,81,126 | 2,32,175 | 2,35,332 | 4,11,691 | 4,16,458 | + 4,767 |
| XX. Medical ... ... | ... | .. | 1,27,639 | 1,16,042 | 53,269 | 47,657 | 1,80,908 | 1,63,699 | — 17,209 |
| XXI. Scientific, &c., departments ... ... ... | ... | . | 2,28,458 | 2,77,884 | ... | ... | 2,28,458 | 2,77,884 | + 49,426 |
| *Miscellaneous.* | | | | | | | | | |
| XXII. Superannuation ... | 90,144 | 78,986 | 52,708 | 52,842 | 307 | 1,235 | 1,43,159 | 1,33,063 | — 10,096 |
| XXIII. Stationery and printing ... .. | 5,654 | 24,838 | 1,12,888 | 1,16,284 | ... | ... | 1,18,542 | 1,41,122 | + 22,580 |
| XXV. Miscellaneous ... | 28,939 | 4,30,684 | 2,02,558 | 1,78,738 | 6,24,574 | 6,68,410 | 8,56,071 | 12,77,832 | + 4,21,761 |
| XXVI. State railways (gross earnings) ... ... | 1,46,06,213 | 1,32,11,739 | 2,58,372 | 2,45,646 | ... | ... | 1,48,64,585 | 1,34,57,585 | —14,07,000 |
| *Revenue from Productive Public Works.* | | | | | | | | | |
| XXIX. Irrigation and navigation (direct receipts). | 2,92,414 | 3,43,859 | ... | ... | ... | ... | 2,92,414 | 3,43,859 | + 51,445 |
| *Receipts from Public Works not classified as Productive.* | | | | | | | | | |
| XXX. Irrigation and navigation by— | | | | | | | | | |
| Public Works department ... | ... | ... | 1,73,742 | 1,74,621 | ... | ... | 1,73,742 | 1,74,621 | + 879 |
| Civil officers ... | ... | ... | 9,134 | 9,341 | ... | ... | 9,134 | 9,341 | + 207 |
| XXXI. Military works ... | 2,602 | 3,654 | ... | ... | ... | ... | 2,602 | 3,654 | + 1,052 |
| XXXII. Civil buildings and roads in charge of— | | | | | | | | | |
| Public works officers. | ... | ... | 1,88,361 | 1,69,376 | 6,787 | 6,654 | 1,95,148 | 1,76,030 | — 19,118 |
| Civil officers ... | ... | ... | 3,903 | 4,378 | 10,15,301 | 10,43,185 | 10,19,204 | 10,47,563 | + 28,359 |
| Contribution— | | | | | | | | | |
| Provincial to Local ... ... | ... | ... | ... | ... | 2,94,546 | 2,62,472 | 2,94,546 | 2,62,472 | — 32,074 |
| Local to Provincial ... ... | ... | ... | 2,96,530 | 2,59,448 | ... | ... | 2,96,530 | 2,59,448 | — 37,082 |
| Local to Local ... ... | ... | ... | ... | ... | 1,288 | 2,243 | 1,288 | 2,243 | + 955 |
| Civil ... ... ... | 8,13,84,062 | 8,22,80,087 | 3,12,94,053 | 3,31,75,241 | 1,24,80,872 | 1,21,64,905 | 12,51,58,987 | 12,76,20,233 | +24,61,246 |
| Non-civil ... ... | 1,49,41,971 | 1,35,99,703 | 6,20,475 | 5,89,843 | 6,787 | 6,654 | 1,55,69,233 | 1,41,96,200 | —13,73,033 |
| Excluded Local funds. | ... | ... | ... | ... | 8,00,921 | 8,88,343 | 8,00,921 | 8,88,343 | + 87,422 |
| Postal department ... | 1,39,14,861 | 1,43,74,211 | ... | ... | ... | ... | 1,39,14,861 | 1,43,74,211 | + 4,59,350 |
| Telegraph department. | 7,44,278 | 6,91,693 | ... | ... | ... | ... | 7,44,278 | 6,91,693 | — 52,585 |
| Total ... | 11,09,85,172 | 11,09,45,694 | 3,19,14,528 | 3,37,65,084 | 1,32,88,580 | 1,30,59,902 | 15,61,88,280 | 15,77,70,680 | +15,82,400 |

*Imperial, Provincial and Local Fund Charges.*

| Major head of Charges | Imperial. | | Provincial. | | Local. | | Total. | | Actuals of 1898-99 as compared with 1897-98. |
|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1. Refunds and drawbacks | 2,18,880 | 2,21,200 | 1,32,308 | 1,41,057 | 11,889 | 18,861 | 3,63,137 | 3,81,718 | + 18,581 |
| 2. Assignments and compensations | 10,93,859 | 11,71,464 | ... | ... | ... | ... | 10,93,859 | 11,71,464 | + 77,605 |
| 3. Land revenue | ... | ... | 54,60,469 | 49,16,702 | 45,33,408 | 46,82,091 | 1,00,53,877 | 95,98,793 | — 4,55,084 |
| 5. Salt | 14,13,423 | 13,45,587 | 3,94,366 | 3,96,429 | ... | ... | 18,07,789 | 17,41,816 | — 65,973 |
| 6. Stamps | 85,778 | 80,741 | 2,57,335 | 2,42,223 | ... | ... | 3,43,113 | 3,22,964 | — 20,149 |
| 7. Excise | 7,44,277 | 7,44,058 | 2,48,092 | 2,48,019 | ... | ... | 9,92,369 | 9,92,077 | — 292 |
| 9. Customs | ... | ... | 2,34,572 | 2,47,037 | ... | ... | 2,34,572 | 2,47,037 | + 12,465 |
| 10. Assessed taxes | 14,019 | 14,469 | 14,009 | 14,469 | ... | ... | 28,018 | 28,938 | + 920 |
| 11. Forest | 7,86,427 | 7,97,335 | 7,86,427 | 7,97,335 | ... | ... | 15,72,854 | 15,94,670 | + 21,816 |
| 12. Registration | 4,15,143 | 4,21,146 | 4,15,142 | 4,21,145 | .. | ... | 8,30,285 | 8,42,291 | + 12,006 |
| 13. Interest on ordinary debt | .. | .. | 1,85,768 | 2,03,656 | .. | ... | 1,85,768 | 2,03,656 | + 17,888 |
| 14. Interest on other obligations | 18,749 | 21,264 | ... | ... | 2,614 | 2,891 | 21,363 | 24,155 | + 2,792 |
| 15. Post office | ... | ... | 1,07,477 | 1,03,869 | .. | ... | 1,07,477 | 1,03,869 | — 3,608 |
| 18. General administration | 2,68,954 | 2,78,583 | 10,07,184 | 9,96,847 | 3,36,340 | 3,42,093 | 16,12,478 | 16,17,523 | + 5,045 |
| 19. A. Law and Justice—Courts of Law | ... | ... | 46,24,764 | 46,13,291 | .. | ... | 46,24,764 | 46,13,291 | — 11,473 |
| 19. B. Do. Jails | ... | ... | 11,57,674 | 11,88,232 | ... | ... | 11,57,674 | 11,88,232 | + 30,558 |
| 20. Police | ... | ... | 46,61,602 | 45,47,722 | ... | ... | 46,61,602 | 45,47,722 | — 1,13,880 |
| 21. Marine | ... | ... | 7,999 | 8,122 | ... | ... | 7,999 | 8,122 | + 123 |
| 22. Education | ... | ... | 17,47,283 | 18,04,546 | 10,95,773 | 10,75,292 | 28,43,056 | 28,79,838 | + 36,782 |
| 23. Ecclesiastical | 3,86,787 | 3,46,082 | ... | ... | ... | ... | 3,86,787 | 3,46,082 | — 40,705 |
| 24. Medical | ... | ... | 13,05,325 | 14,89,386 | 15,10,658 | 18,95,386 | 28,15,983 | 33,84,772 | + 5,68,789 |
| 25. Political | 17,000 | 13,840 | 84,960 | 74,157 | ... | ... | 1,01,960 | 87,997 | — 13,963 |
| 26. Scientific and other minor departments. | 7,331 | 6,426 | 4,28,266 | 5,74,835 | .. | .. | 4,35,597 | 5,81,261 | + 1,45,664 |
| 27. Territorial and political pensions | 6,26,202 | 6,32,389 | ... | ... | ... | ... | 6,26,202 | 6,32,389 | + 6,187 |
| 28. Civil furlough and absentee allowance.. | 19 | 6,834 | ... | ... | ... | ... | 19 | 6,834 | + 6,815 |
| 29. Superannuation allowances and pensions | 34,771 | 53,073 | 15,89,814 | 15,90,046 | 15,689 | 26,472 | 16,40,274 | 16,69,591 | + 29,317 |
| 30. Stationery and printing | 4,13,392 | 4,79,977 | 10,37,217 | 9,66,554 | ... | ... | 14,50,609 | 14,46,531 | — 4,078 |
| 32. Miscellaneous | 54,894 | 74,765 | 1,71,492 | 1,48,474 | 3,07,614 | 3,07,770 | 5,34,000 | 5,31,009 | — 2,991 |
| 33. Famine relief ... Civil Officers | 7,60,293 | ... | 15,97,382 | 7,572 | 1,25,780 | ... | 24,83,455 | 7,572 | — 24,75,883 |
| 33. Famine relief ... P.W.D. Officers. | 65,69,653 | .. | ... | 11,535 | ... | .. | 65,69,653 | 11,585 | — 65,58,068 |
| 34. Construction of protective railways | ... | .. | ... | ... | ... | ... | ... | ... | ... |
| 35. Irrigation works | 1,44,008 | 53,351 | ... | ... | .. | ... | 1,44,008 | 53,351 | — 90,657 |
| 37. Construction of railways | ... | ... | 27,606 | — 1,989 | ... | ... | 27,606 | — 1,989 | — 29,595 |
| *Expenditure on Productive Public Works Accounts.* | | | | | | | | | |
| 38. State Railways (working expenses) | 89,37,208 | 84,68,209 | 49,832 | 1,69,999 | ... | ... | 90,87,040 | 86,38,208 | — 4,48,832 |
| 39. Guaranteed companies | 1,23,079 | 3,90,388 | ... | ... | ... | ... | 1,23,079 | 3,90,388 | + 2,67,309 |
| 40. Subsidised Companies—Land, &c. | 10,363 | 17,060 | ... | ... | ... | ... | 10,363 | 17,060 | + 6,697 |
| 41. Miscellaneous railway expenditure | — 5,588 | 89,256 | ... | ... | ... | ... | — 5,588 | 89,256 | + 94,844 |
| 42. Irrigation and navigation working and maintenance | 13,90,649 | 14,56,737 | ... | ... | ... | ... | 13,90,649 | 14,56,737 | + 66,088 |
| *Expenditure on Public Works Department not classed as productive.* | | | | | | | | | |
| 43. Irrigation and navigation— | | | | | | | | | |
| By public works officers | ... | ... | 28,71,532 | 28,74,619 | 6,467 | 8,104 | 28,77,999 | 28,82,723 | + 4,724 |
| By civil officers | ... | ... | 3,67,204 | 3,94,141 | ... | ... | 3,67,204 | 3,94,141 | + 26,937 |
| 44. Military works | 75,266 | 69,926 | ... | ... | ... | ... | 75,266 | 69,926 | — 5,340 |
| 45. Civil works in charge of— | | | | | | | | | |
| Public works officers | 49,198 | 75,262 | 17,79,357 | 25,07,719 | 15,589 | 37,750 | 18,74,144 | 26,20,731 | + 7,46,587 |
| Civil officers | ... | ... | 3,44,534 | 1,87,125 | 42,65,286 | 41,12,725 | 46,09,820 | 42,99,850 | — 3,09,970 |
| *Capital Expenditure on Public Works Department (not charged against Revenue).* | | | | | | | | | |
| 48. State Railways | 86,48,697 | 69,03,526 | ... | ... | ... | ... | 86,48,697 | 69,03,526 | — 17,45,171 |
| 49. Irrigation works | 7,85,656 | 5,01,800 | ... | ... | ... | ... | 7,85,656 | 5,01,800 | — 2,83,856 |
| Contributions: Provincial to Local | ... | ... | 2,94,546 | 2,62,472 | ... | ... | 2,94,546 | 2,62,472 | — 32,074 |
| Contributions: Local to Provincial | ... | ... | ... | ... | 2,96,530 | 2,59,448 | 2,96,530 | 2,59,448 | — 37,082 |
| Contributions: Transfers between Local and Local | ... | ... | ... | ... | 1,288 | 2,243 | 1,288 | 2,243 | + 95 |
| Total Civil | 73,60,188 | 67,09,033 | 2,86,63,271 | 2,65,86,063 | 1,25,62,369 | 1,27,25,272 | 4,85,86,328 | 4,60,20,368 | — 25,65,960 |
| Total Non-civil | 2,67,28,189 | 1,80,25,515 | 48,28,327 | 55,61,933 | 52,056 | 45,854 | 3,16,08,572 | 2,36,33,302 | — 79,75,270 |
| Excluded Local Funds | ... | ... | ... | ... | 7,59,032 | 9,27,454 | 7,59,032 | 9,27,454 | + 1,68,422 |
| Charges of the Postal department | 1,91,29,231 | 1,91,03,894 | ... | ... | ... | ... | 1,91,29,231 | 1,91,03,894 | — 25,337 |
| Charges of the Telegraph department | 5,76,428 | 5,71,748 | ... | ... | ... | ... | 5,76,428 | 5,71,748 | — 4,680 |
| Total Expenditure | 5,37,94,036 | 4,44,10,190 | 3,34,91,598 | 3,21,47,996 | 1,33,73,957 | 1,36,98,580 | 10,06,59,591 | 9,02,56,766 | —1,04,02,825 |
| Surplus (+) or Deficit (—): Imperial | +5,71,91,136 | +6,65,35,504 | ... | ... | ... | ... | +5,71,91,136 | +6,65,35,504 | + 93,44,368 |
| Surplus (+) or Deficit (—): Provincial | ... | ... | —15,77,070 | +16,17,088 | ... | ... | — 15,77,070 | + 16,17,088 | + 31,94,158 |
| Surplus (+) or Deficit (—): Incorporated Local | ... | ... | ... | ... | — 1,27,266 | — 5,99,567 | — 1,27,266 | — 5,99,567 | — 4,72,301 |
| Surplus (+) or Deficit (—): Excluded Local | ... | ... | ... | ... | + 41,889 | — 39,111 | + 41,889 | — 39,111 | — 81,000 |
| Total Surplus or Deficit | +5,71,91,136 | +6,65,35,504 | —15,77,070 | +16,17,088 | — 85,377 | — 6,38,678 | +5,55,28,689 | +6,75,13,914 | +1,19,85,225 |
| Grand Total | 11,09,85,172 | 11,09,45,694 | 3,19,14,528 | 3,37,65,084 | 1,32,88,580 | 1,30,59,902 | 15,61,88,280 | 15,77,70,680 | + 15,82,400 |

## IMPERIAL AND PROVINCIAL SERVICES—(*A*) CIVIL.

The receipts and charges of Imperial and Provincial services taken together, that is, without distinction of Imperial and Provincial, are given below :—

| Difference between 1898-99 and 1897-98. | Receipts—(Actuals). 1897-98. | Receipts—(Actuals). 1898-99. | Major heads of account. | Charges—(Actuals). 1897-98. | Charges—(Actuals). 1898-99. | Difference between 1898-99 and 1897-98. |
|---|---|---|---|---|---|---|
| Rs. | Rs. | Rs. | | Rs. | Rs. | Rs. |
| + 15,65,463 | 5,38,41,440 | 5,54,06,903 | ... ... Land revenue ... ... | 54,60,469 | 49,16,702 | − 5,43,767 |
| + 27,14,520 | 1,72,69,610 | 1,99,84,130 | ... ... Salt ... ... | 18,07,790 | 17,41,816 | − 65,974 |
| − 1,53,446 | 84,20,258 | 82,66,812 | ... ... Stamps ... ... | 3,43,113 | 3,22,964 | − 20,149 |
| − 9,42,021 | 1,46,19,444 | 1,36,77,423 | ... ... Excise ... ... | 9,92,370 | 9,92,077 | − 293 |
| − 7,20,608 | 43,58,386 | 36,37,778 | ... ... Customs ... ... | 2,34,572 | 2,47,037 | + 12,465 |
| + 1,24,798 | 24,73,453 | 25,98,251 | ... ... Assessed taxes ... ... | 28,018 | 28,937 | + 919 |
| − 25,975 | 21,36,493 | 21,10,518 | ... ... Forest ... ... | 15,72,854 | 15,94,670 | + 21,816 |
| − 2,39,639 | 15,30,509 | 12,90,870 | ... ... Registration ... ... | 8,30,285 | 8,42,291 | + 12,006 |
| + 23,23,092 | 10,46,49,593 | 10,69,72,685 | ... ... Total ... ... | 1,12,69,471 | 1,06,86,494 | − 5,82,977 |
| | | | *Miscellaneous other heads.* | | | |
| ... | ... | ... | ... Interest on ordinary debt ... | 1,85,768 | 2,03,656 | + 17,888 |
| + 83,273 | 4,87,738 | 5,71,011 | ... Interest on other obligations ... | 18,749 | 21,264 | + 2,515 |
| ... | ... | ... | ... Refunds and drawbacks ... | 3,51,247 | 3,62,857 | + 11,610 |
| ... | ... | ... | . Assignments and compensations. | 10,93,859 | 11,71,463 | + 77,604 |
| ... | 45,10,902 | 45,10,902 | ... Tributes from Native States ... | ... | ... | ... |
| ... | ... | ... | ... ... Post office ... ... | 1,07,477 | 1,03,869 | − 3,608 |
| ... | ... | ... | ... General administration ... | 12,76,137 | 12,75,430 | − 707 |
| − 5,105 | 8,04,096 | 7,98,991 | ... Law and justice—Courts of Law. | 46,24,764 | 46,13,291 | − 11,473 |
| − 28,445 | 4,49,742 | 4,21,297 | ... Do. Jails ... | 11,57,674 | 11,88,231 | + 30,557 |
| + 11,876 | 4,37,974 | 4,49,850 | ... ... Police ... ... | 46,61,601 | 45,47,722 | − 1,13,879 |
| ... | ... | ... | ... ... Marine ... ... | 7,999 | 8,122 | + 123 |
| + 1,610 | 1,79,516 | 1,81,126 | ... ... Education ... ... | 17,47,283 | 18,04,546 | + 57,263 |
| ... | ... | ... | ... ... Ecclesiastical ... ... | 3,86,787 | 3,46,082 | − 40,705 |
| − 11,597 | 1,27,639 | 1,16,042 | ... ... Medical ... ... | 13,05,325 | 14,89,386 | + 1,84,061 |
| ... | ... | ... | ... ... Political ... ... | 1,01,960 | 87,997 | − 13,963 |
| + 49,426 | 2,28,458 | 2,77,884 | ...Scientific and other minor departments. | 4,35,596 | 5,81,261 | + 145,665 |
| ... | ... | ... | ... Territorial and other political pensions. | 6,26,202 | 6,32,389 | + 6,187 |
| ... | ... | ... | . Civil furlough and other absentee allowances. | 19 | 6,834 | + 6,815 |
| − 11,024 | 1,42,852 | 1,31,828 | ... Superannuation allowance and pensions. | 16,24,586 | 16,43,120 | + 18,534 |
| + 22,583 | 1,18,540 | 1,41,123 | ... Stationery and printing ... | 14,50,609 | 14,46,531 | − 4,078 |
| + 3,77,924 | 2,31,498 | 6,09,422 | ... ... Miscellaneous ... ... | 2,26,386 | 2,23,239 | − 3,147 |
| ... | ... | ... | ... Famine relief—civil officers ... | 23,57,676 | 7,572 | − 23,50,104 |
| ... | ... | ... | ... Do. public works officers. | ... | 11,585 | + 11,585 |
| ... | ... | ... | ... Miscellaneous railway expenses. | ... | ... | ... |
| − 12,526 | 2,58,372 | 2,45,846 | ... State railway traffic receipts ... | ... | ... | ... |
| ... | ... | ... | ... Construction of railways ... | 27,605 | — 1,989 | − 29,594 |
| ... | ... | ... | ... State railway working expenses. | 1,49,832 | 1,69,999 | + 20,167 |
| + 207 | 9,134 | 9,341 | ... Irrigation and navigation by civil officers. | 3,67,204 | 3,94,141 | + 26,937 |
| + 879 | 1,73,742 | 1,74,621 | ... Irrigation and navigation by public works officers. | 28,71,532 | 28,74,619 | + 3,087 |
| + 475 | 3,903 | 4,378 | ... Civil works by civil officers ... | 3,44,534 | 1,87,125 | − 1,57,409 |
| − 18,985 | 1,88,361 | 1,69,376 | ... Do. by public works officers. | 17,79,357 | 25,07,719 | + 7,28,362 |
| − 37,082 | 2,96,530 | 2,59,448 | ... ... Contributions ... ... | 2,94,546 | 2,62,472 | − 32,074 |
| + 4,23,489 | 36,48,997 | 90,72,486 | ... Total, other heads ... | 2,95,82,314 | 2,81,70,533 | − 14,11,781 |
| + 27,46,581 | 11,32,98,590 | 11,60,45,171 | ... Total, Imperial and Provincial. | 4,08,51,785 | 3,88,57,027 | − 19,94,758 |

Incidence of taxation.

The following statement shows the rates of assessment per head of population under some of the more important heads of revenue :—

| — | Incidence of taxation per head of population. Land revenue. | Income-tax. | Stamps. | Excise on spirits (abkári). | Opium. | Customs, sea and land. | Salt. | Total. |
|---|---|---|---|---|---|---|---|---|
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1897-98 ... ... | 1 8 3 | 0 1 2 | 0 3 11 | 0 6 2 | 0 0 4 | 0 1 11 | 0 8 0 | 2 13 9 |
| 1898-99 ... ... | 1 8 11 | 0 1 2 | 0 3 10 | 0 5 10 | 0 0 3 | 0 1 8 | 0 7 9 | 2 13 5 |

The total average rate of taxation fell from Rs. 2-13-9 to Rs. 2-13-5 owing chiefly to a fall in revenue under excise, customs and stamps. The fall would have been greater but for the improvement of revenue under land revenue and salt. Under land revenue the rate of assessment was lowest in Vizagapatam As. 9-4 and highest in Kistna Rs. 3-6-0. The following paragraphs deal with the principal variations in the Imperial—Provincial receipts and charges of the past two years :—

## (1) Land Revenue.

Receipts. The following statement compares in detail of minor heads the receipts during the past two years :—

| Minor heads. | 1897-98. | 1898-99. | Difference + or −. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Ordinary revenue ... ... ... | 5,36,00,350 | 5,53,16,164 | + 17,15,814 |
| Sale-proceeds of waste lands, &c., and receipts for the improvement of Government estates ... ... ... | 1,72,480 | 12,922 | − 1,59,558 |
| Fisheries and other receipts classified as miscellaneous revenue ... ... | 68,610 | 77,817 | + 9,207 |
| Total ... | 5,38,41,440 | 5,54,06,903 | + 15,65,463 |

The remissions granted in 1896-97 and 1897-98 on account of famine diminished the receipts under the first minor head in 1897-98; whilst in the year under report the season having been favourable generally, the demand was promptly collected in almost every district. In Kistna over two lakhs were collected on account of extension of cultivation and irrigation and in Madras a sum of Rs. 1,46,652 being the value of Government land made over to the South Indian Railway Company for a goods station at the Beach was adjusted to the credit of this head by debit to that Railway. The decrease under the second minor head was more apparent than real. In the year under report the sale-proceeds of waste lands commanded by the Periyár project was credited to the first minor head as the lands were all unassessed. The variations under the last head were spread over several items in small amounts and call for no remarks.

Charges. The Land Revenue charges amounted as shown below to Rs. 49,16,702 against Rs. 54,60,469 in the previous year :—

| — | 1897-98. | 1898-99. | Difference + or −. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Charges of district administration ... | 43,16,715 | 39,60,715 | − 3,56,000 |
| Survey and settlement ... ... ... | 6,01,863 | 4,23,131 | − 1,78,732 |
| Land records and agriculture ... ... | 5,37,286 | 5,28,048 | − 9,238 |
| Inám Commissioner ... ... ... | 4,605 | 4,808 | + 203 |
| Total ... | 54,60,469 | 49,16,702 | − 5,43,767 |

The charges of District Administration in 1897-98 were abnormally high in consequence of the famine. Excess expenditure was incurred chiefly under the following items :—(1) fees for searches in the registration offices; (2) temporary establishments; (3) travelling allowance of officers and establishments; and (4) telegraph charges. The re-organisation of the survey department and the different changes introduced from time to time are chiefly responsible for the short expenditure under Survey and Settlement. Owing to unfilled vacancies in the grades of Deputy and Assistant Commissioners and savings in the establishment charges of

parties, there was a saving in the Settlement department also. The short expenditure under Land Records and Agriculture was spread over several items in small amounts.

## (2) Salt.

Administrative changes.

The year was not marked by any important changes in Administration.

Excise system.

The number of factories worked under the excise system was the same as in the previous year.

Manufacture.

The season was favourable for salt production in the central and southern divisions but not in the northern. The early showers of February retarded manufacture in several factories in the north and the monsoon did not permit any long continuance of production. The total quantity of salt received into store amounted to 6,856,537 maunds against 6,569,566 maunds in the previous year. The quantity of salt manufactured under the excise system showed an increase being 5,715,792 maunds against 4,848,603 maunds in the previous year. The stock of salt (Government and excise) at the end of the year under report was, however, less than that at the close of 1897–98 by nearly 20 lakhs of maunds owing mainly to the destruction of 32,876 maunds of Government and 429,793 maunds of excise salt which had become unsaleable through age or liable to destruction under the five years' rule. The following statement gives the total quantity of salt issued during the past two years :—

| Items. | 1897–98. | 1898–99. | Increase or decrease. |
|---|---|---|---|
| | I. MDS. | I. MDS. | I. MDS. |
| Issued for home and inland consumption ... | 8,379,313 | 8,378,535 | – 778 |
| Issued for fish-curing ... ... ... ... | 157,722 | 138,655 | – 19,067 |
| Sold to French Government ... ... ... | 41,622 | 54,577 | + 12,955 |
| Issued for export ... ... ... ... ... | 258,888 | 442,798 | + 183,910 |
| Total ... | 8,837,545 | 9,014,565 | + 177,020 |

The increase in the issues was chiefly due to the larger exports of salt to Penang.

Revenue and expenditure.

The receipts amounted as shown below to Rs. 1,99,84,130 against Rs. 1,72,69,610 in the year before :—

| Items. | Receipts in 1898–99. | | | Total receipts in 1897–98. |
|---|---|---|---|---|
| | Duty. | Cost price. | Total. | |
| | RS. | RS. | RS. | RS. |
| Issues for home and inland consumption ... ... ... ... | 61,03,485 | 4,44,269 | 65,47,754 | 30,51,721 |
| Issues for French Government ... | ... | 4,286 | 4,286 | 7,884 |
| Issues for fish-curing ... ... | ... | 1,09,077 | 1,09,077 | 1,29,572 |
| Customs duty ... ... ... | 16,103 | ... | 16,103 | 10,390 |
| Excise duty ... ... ... | 1,32,21,895 | ... | 1,32,21,895 | 1,39,93,067 |
| | 1,93,41,483 | 5,57,632 | 1,98,99,115 | 1,71,92,634 |
| Miscellaneous ... | 85,015 | ... | 85,015 | 76,976 |
| Total ... | 1,94,26,498 | 5,57,632 | 1,99,84,130 | 1,72,69,610 |

The receipts of the year exceeded those of the previous one by Rs. 27,14,520. The large increase in the duty on Government and excise salt sold for home and inland consumption was due to the following causes :—(1) larger realizations on account of previous credits, the credit sales in the second half of 1897–98 having

been large; (2) larger cash sales in the latter half of 1898–99 owing to the low and rising price of Government paper and consequent increased withdrawals of securities deposited; (3) increased sales in the first half of 1898–99. The increase under customs duty was due partly to larger imports from the United Kingdom into the port of Madras, but more especially to the greater care with which consignments removed from the Bombay salt works on payment of duty and with claim for wastage allowance were checked at the port of Mangalore. Miscellaneous receipts increased chiefly by larger collections of cess in spite of the comparatively low sales of excise salt as there were fewer factories for which no cess was fixed than there were in 1897–98 and the rate for thirteen of the factories was enhanced. The decrease under issues for French Government was because that Government took only half its usual supply and did not pay for it within the year. The decrease under fish-curing was mainly in the Calicut sub-division and was attributed to unfavourable season and to the absence of sardines, herrings and cat-fish. Of the total receipts, Rs. 68,29,861 (inclusive of the issues to the French Government and for fish-curing purposes) were realized on account of Government salt sold and excise salt removed on cash payment and Rs. 1,30,53,151 on account of salt issued on credit before and during the year. The value of the quantity of salt issued on credit during the year was Rs. 1,19,50,638, of which Rs. 70,49,226 was collected within the year and Rs. 49,01,412 was outstanding at its close. A sum of Rs. 60,03,925 was realized on account of salt issued in the previous year. The total charges under this head excluding those debitable to excise amounted to Rs. 17,41,816, or Rs. 65,974 less than in the previous year. The short expenditure in the year under report took place solely under salt purchase and freight.

### (3) Stamps.

Stamp receipts fell from Rs. 84,20,258 to Rs. 82,66,812. The year having been a prosperous one fewer monetary transactions involving stamps were entered into, whilst its predecessor was one of agricultural distress and necessitated a large amount of borrowing. The charges were Rs. 3,22,964 against Rs. 3,43,113 in 1897–98. The fall in the sales reduced issues from the central stores and the charge for discount on sales.

### (4) Excise.

The revenue under this head is derived from two sources (i) abkári and (ii) opium.

Abkári. Abkári receipts have been falling since 1897–98 as will be seen from the following figures:—

| | Rs. |
|---|---|
| 1896–97 ... ... ... ... ... ... ... ... ... ... ... | 1,44,74,066 |
| 1897–98 ... ... ... ... ... ... ... ... ... ... ... | 1,42,15,122 |
| 1898–99 ... ... ... ... ... ... ... ... ... ... ... | 1,33,08,181 |

The fall was attributed to (1) an increase in the price of spirits, (2) high prices of food-grains and (3) the prevalence of Plague in the Bombay Presidency and in certain districts of this Presidency; and the consequent restrictions imposed on fares, festivals, travellers and traffic. The charges which are deduced from those of the combined department of salt and excise amounted to Rs. 9,91,566 against Rs. 9,91,861 in the previons year.

Opium. Transit duty on excise opium is alone credited to this head. The receipts which amounted to Rs. 3,69,242 against Rs. 4,04,322 in 1897–98 fluctuate according to the imports into this Presidency from Malwa. The charges were Rs. 511 or only Rs. 2 more than in 1897–98.

### (5) Customs.

The transactions under this head are sub-divided into (i) sea customs and (ii) land customs.

Sea Customs. The receipts under sea customs exclusive of the import duty on salt which is credited to salt amounted to Rs. 35,01,874, or Rs. 6,24,588 less than those of 1897–98. Rs. 2,65,524 of this decrease occurred under exports. Owing to famine in Bengal the trade in rice with Ceylon in the previous year was diverted to this Presidency, while in the year under report there was competition from Bengal

and Burma where the crops appear to have been exceptionally good. There was a still larger fall of Rs. 3,89,958 under import duties due mainly to smaller imports of colombo arrack, metals and manufactures of metals and cotton manufactures. On the other hand Rs. 22,658 was collected as excise duty on cotton manufactures in excess of 1897–98 in consequence of increased manufacture to meet demands from Calcutta and Rangoon. The charges rose from Rs. 2,16,503 in 1897–98 to Rs. 2,26,325 in the year under report due chiefly to the new scale of establishments brought into force in some districts in the latter part of 1897–98.

Land Customs.

Land Customs receipts fell from Rs. 2,31,924 to Rs. 1,35,904. The fall occurred under export duty and is due to smaller export of rice from Karikal than in 1897–98 in which year it was exceptionally great. The charges were Rs. 20,712 against Rs. 18,069 in the previous year. The increase was due chiefly to additional establishments entertained.

### (6) Assessed Taxes (Income Tax).

Income-tax receipts which exhibit an annual increase rose from Rs. 24,73,453 to Rs. 25,98,251. The charges were Rs. 28,937 or Rs. 919 more than in 1897–98.

### (7) Forest.

The receipts and charges of the Forest department amounted in the aggregate to Rs. 21,10,518 and Rs. 15,94,670, respectively, in the year under report against Rs. 21,36,493 and Rs. 15,72,854 in the previous year. The surplus of the year was thus worse than that of the previous year by Rs. 47,791 only.

### (8) Registration.

The receipts of the Registration department were abnormally high in 1897–98 owing to the large collections made on account of the numerous searches for encumbrances carried out in connection with the loans granted under the Land Improvement and the Agriculturists' Loans Acts. They amounted in the aggregate to Rs. 15,30,509. In the year under report which was a normal one Rs. 12,90,870 only were collected. The receipts from Registration proper showed an improvement in the earlier months, but fell disproportionately in the latter part of the year. Owing to expansion of departmental operations, the charges show generally an annual increase. They rose from Rs. 8,30,285 to Rs. 8,42,291.

### (9) Other Heads.

The following table exhibits the aggregate receipts and charges under this category:—

| — | 1897-98. | 1898-99. | Difference + or —. |
|---|---|---|---|
| | RS. | RS. | RS. |
| Receipts ... ... ... ... | 86,48,097 | 90,72,486 | + 4,23,489 |
| Charges ... ... ... ... | 2,95,82,314 | 2,81,70,533 | - 14,11,781 |

The net increase of Rs. 4,23,489 in the receipts is made up of an increase of Rs. 5,48,253 under 9 heads counterbalanced by a decrease of Rs. 1,24,764 under 7 heads:—

*Increase.*

| | RS. |
|---|---|
| Interest ... ... ... ... ... | 83,273 |
| Police ... ... ... ... ... | 11,876 |
| Education ... ... ... ... ... | 1,610 |
| Scientific, &c., Departments ... ... | 49,426 |
| Stationery and printing ... ... ... | 22,583 |
| Miscellaneous ... ... ... ... | 3,77,924 |
| Irrigation and Navigation by Civil officers | 207 |
| Do. by Public Works officers ... | 879 |
| Civil works in charge of Civil officers ... | 475 |
| Total ... | 5,48,253 |

*Decrease.*

| | RS. |
|---|---|
| Law and Justice { Courts of Law ... | 5,105 |
| Law and Justice { Jails ... ... | 28,445 |
| Medical ... ... ... ... ... | 11,597 |
| Superannuations ... ... ... | 11,024 |
| State Railway Traffic receipts ... ... | 12,526 |
| Civil works in charge of Public Works officers ... ... ... ... ... | 18,985 |
| Contributions ... ... ... ... | 37,082 |
| | 1,24,764 |
| Add net increase ... | 4,23,489 |
| Total ... | 5,48,253 |

The increase under 'Interest' was almost entirely in the interest on advances to cultivators due to the abnormally large advances made under the Land Improvement and the Agriculturists' Loans Acts during the famine of 1897–98. The increase under 'Police' was spread over several items, but was chiefly due to the return to the arsenal of a large quantity of ammunition and a large number of carbines. Under 'Scientific and other Minor Departments' the actuals of the year under report included for the first time, about Rs. 45,000 realized by sale of aluminium ware at the School of Arts. The receipts from Primary and Lower Secondary Examinations were also higher than in the previous year. The increase under 'Stationery and Printing' represented mainly the value of stationery supplied to State Railways. These supplies were very limited in 1897–98. The increase under 'Miscellaneous' was more nominal than real, as it represented the sale-proceeds of cloths manufactured at the expense of Government during the late famine to afford relief to weavers. Under 'Law and Justice—Courts of Law' a sum of Rs. 18,000 realized by the sale of unclaimed property seized from a swindler in the Tinnevelly district was credited in 1897–98. The increased receipts in the year under report on account of magisterial fines and printing and translation executed by the High Court did not fully cover this special increase. A fall in jail manufactures, which was attributed chiefly to the employment of a large number of convicts on building operations in the Vellore Central Jail and to the suspension of manufacturing operations in the Rajahmundry Central Jail owing to the outbreak of a severe epidemic of sickness, accounted for the decrease under 'Jails.' The recoveries effected from municipalities in 1897–98 on account of the Sanitary Engineer's establishments amounted to Rs. 22,000, whereas in the year under report Rs. 1,000 only were recovered. Under 'Receipts in aid of Superannuation, Retired and Compassionate Allowances' the Subscriptions to the Military Fund are decreasing with the retirement of old members. The traffic receipts of the Máyavaram-Muttupet Railway in 1897–98 were abnormally high owing to carriage of construction materials, &c., of the Peralam-Karikal Railway. The decrease under 'Civil Works in charge of Public Works officers' occurred mainly under 'Fines, Refunds and Miscellaneous.' The accounts of 1897–98 include under 'Contributions' Rs. 27,605 adjusted on account of repayment of expenditure on Máyavaram-Muttupet Railway. The decrease of Rs. 14,11,781 in the charges of the year was the result of an increase of Rs. 13,48,960 under 17 heads and a decrease of Rs. 27,60,741 under the remaining 12 heads as shown below. This large decrease, however, did not represent an actual saving in the expenditure; for it was due to the charges in 1897–98 having been swelled by the large expenditure on famine relief:—

*Increase.*

| | Rs. |
|---|---|
| Interest on ordinary debt ... ... | 17,888 |
| Interest on other accounts ... ... | 2,515 |
| Refunds ... ... ... ... ... | 11,610 |
| Assignments and compensations ... | 77,604 |
| Jails ... ... ... ... ... | 30,557 |
| Marine ... ... ... ... ... | 123 |
| Education ... ... ... ... ... | 57,263 |
| Medical ... ... ... ... ... | 1,84,061 |
| Scientific, &c., Departments ... ... | 1,45,665 |
| Territorial and other Political Pensions. | 6,187 |
| Civil furlough ... ... ... ... | 6,815 |
| Superannuation allowances and pensions ... ... ... ... ... | 18,534 |
| Famine Relief by Public Works officers ... | 11,585 |
| State Railway working expenses ... | 20,167 |
| Irrigation and Navigation by Civil officers. | 26,937 |
| Do. do. by Public Works officers ... ... ... ... | 3,087 |
| Civil works by Public Works officers ... | 7,28,362 |
| | 13,48,960 |
| Add decrease ... | 14,11,781 |
| Total ... | 27,60,741 |

*Decrease.*

| | Rs. |
|---|---|
| Post Office ... ... ... ... ... | 3,608 |
| General Administration ... ... ... | 707 |
| Law and Justice—Courts of Law ... | 11,473 |
| Police ... ... ... ... ... | 1,13,879 |
| Ecclesiastical ... ... ... ... | 40,705 |
| Political ... ... ... .. ... | 13,963 |
| Stationery and Printing ... ... ... | 4,078 |
| Miscellaneous ... ... ... ... | 3,147 |
| Famine Relief by Civil officers ... ... | 23,50,104 |
| Construction of Railways ... ... ... | 29,594 |
| Civil works by Civil officers ... ... | 1,57,409 |
| Contributions ... ... ... ... | 32,074 |
| Total ... | 27,60,741 |

The excess under 'Interest' on ordinary debt resulted from the very large advances made under the 'Land Improvement and the Agriculturists' Loans Acts' in consequence of the last famine. Under 'Interest on other accounts' the increase occurred in the interest paid on deposits in State Railway Provident Institutions. Refunds are fluctuating charges. The sum of Rs. 38,000 being the amount of

compensation to the Native State of Pudukkóttai for the suppression of earth-salt manufacture in that State for 1897–98 was paid only in the year under report. This and other arrear payments made on account of Malikana allowances in Malabar, Trichinopoly, and Travancore accounted for the excess under 'Assignments and Compensations.' The excess under 'Jails' occurred in the charges for manufacture owing to the large orders for tents for the Ordnance department undertaken by the Penitentiary and the purchase of new weaving machinery for the Coimbatore Jail. Under 'Education' there was an increase under several heads but chiefly under 'Inspection,' 'Government colleges,' 'General' and 'Miscellaneous.' The charges under 'Inspection' are increasing, and the actuals of the year under report included privilege leave allowances in excess of the amount so included in 1897–98. The charges of the Presidency College included a sum of Rs. 16,500 for providing fittings in the Physical Laboratory and class room. Those under 'Miscellaneous' include Rs. 25,000 paid for hostels. The expenses incurred in connection with the precautionary measures undertaken against plague were chiefly responsible for the excess expenditure under 'Medical.' A special assignment of Rs. 1,02,000 was made in the year under report for the purchase of extra bark from private growers for increased manufacture of quinine and febrifuge. This and the charges incurred (44) for the first time for the manufacture of aluminium ware at the School of Arts account chiefly for the increase under 'Scientific and other Minor Departments.' Under 'Territorial and Political pensions' fluctuations occur owing to pensions not being drawn on due dates. The increase under 'Civil, Furlough and Absentee allowances' represented the Government share of the privilege leave allowances paid to Mr. W. A. Willock, I.C.S., as Collector of the Vizianagram Zamindari. The excess under 'Superannuation allowances and Pensions' represented passage money paid to Mrs. Grose and her children and marriage donation to one of her daughters. The excess under 'Famine Relief by Public Works officers' was nominal, as the expenditure in 1897–98 was treated as Imperial expenditure in the Public Works books and included in this report under 'Imperial services—B. Public Works.' The increase under 'State Railway working expenses' was due to the inclusion of Rs. 16,992 on account of arrears of interest on the outlay on works wholly and jointly used by the Máyavaram-Muttupet Railway at Máyavaram and Tiruvalur. The outlay under 'Irrigation and Navigation by Civil officers' in 1897–98 was retarded by famine, as was also that under '45. Civil Works in charge of Public Works officers.' The transfer to Imperial of self-supporting offices caused a saving under 'Post Office.' Under 'Law and Justice—Courts of Law' there were savings under 'High Court' owing chiefly to the appointment of Puisne Judge during the absence of the Chief Justice on six months' furlough out of India having been held in abeyance during the annual recess. Savings also took place under 'Civil and Sessions Courts' by the absence of a larger number of senior Covenanted officers on leave out of India than in the previous year. Under 'Criminal Courts,' the charges in 1897–98 were augmented by famine. On the other hand, the short expenditure under the foregoing items was greatly counterbalanced by increase in Law charges owing to Government having undertaken a few heavy suits. The decrease under 'Police' reflects the increase due to famine in 1897–98. The absence of a larger number of Chaplains on leave out of India than in 1897–98 led to the decrease under 'Ecclesiastical.' The actuals of 1897–98 under 'Political' included the privilege leave allowances of the Resident in Travancore and Cochin in addition to the salary of his *locum tenens*, and increased charges for demarcation of boundaries between British Territory and Native States. A short expenditure of Rs. 85,000 under 'Stationery' supplied from central stores was nearly counterbalanced by increased purchase of stationery for central stores and by increased charges of printing at private presses. Owing to the absence of famine in the year under report the expenditure under that head was not more than Rs. 8,000. The charges for the contribution of the Máyavaram-Muttupet Railway decrease year by year owing to completion of lines. The non-utilization of most of the grants sanctioned to municipalities for water-supply schemes chiefly accounted for the decrease under 'Civil Works in charge of Civil officers.' The decrease would have been greater but for the contribution of Rs. 30,000 to certain municipalities to enable them to pay their way, as their funds had run low owing to plague expenditure. The

decrease under 'Contributions' took place in the contributions on account of the net profits of the working of the Máyavaram-Muttupet Railway and for Public Works and Education.

## IMPERIAL SERVICES—(*B*) PUBLIC WORKS.

Receipts

The following statement compares the receipts relating to Imperial Public Works during the past two years :—

| Nature of receipts. | Actuals. 1897-98. | Actuals. 1898-99. | Difference. |
|---|---|---|---|
| | RS. | RS. | RS. |
| 1. Irrigation and Navigation— | | | |
| Direct revenue from Productive Public Works .. ... | 2,92,414 | 3,43,859 | + 51,445 |
| 2. Military— | | | |
| Military Works ... .. ... . ... ... ... | 2,602 | 3,654 | + 1,052 |
| 3. Railways ... ... ... ... ... . ... ... | 1,46,06,213 | 1,32,11,739 | - 13,94,474 |
| Total ... | 1,49,01,229 | 1,35,59,252 | - 13,41,977 |

The increase under 'Irrigation and Navigation' was chiefly due to the introduction of the new navigation rules during the year under report in the Gódávari and Kistna Delta systems, and to the demand for water consequent on the growth of wet cultivation by the Kurnool canal. The occupation of nearly all the buildings throughout the year and the absence of remission of rents in the West Coast Division were responsible for the increase under 'Military Works.' The large fall under 'Railways' was due to (1) the plague restrictions which seriously affected the free movement of passengers on all the railways, (2) the absence of famine traffic in food-grains on the Mysore State Railway and the Guntakal-Mysore Frontier Railway, (3) the breach in the main line of the South Indian Railway and the transfer of the Nellore Section from South Indian Railway to the East Coast Railway, and (4) the almost entire cessation of traffic in State Railway materials in consequence of the completion of the Bezwada-Madras section of the East Coast Railway.

Expenditure

The expenditure was as follows :—

| Nature of expenditure. | Actuals. 1897-98. | Actuals. 1898-99. | Difference. |
|---|---|---|---|
| | RS. | RS. | RS. |
| 1. Railways— | | | |
| South Indian Railway ... ... ... ... ... | 47,77,317 | 30,22,166 | - 17,55,151 |
| East Coast Railway ... ... ... ... ... ... | 41,04,571 | 45,16,914 | + 4,12,343 |
| Mysore State Railway ... ... ... ... ... ... | 13,32,970 | 9,68,892 | - 3,64,078 |
| Guntakal-Mysore Frontier Railway ... ... .. ... | 3,72,991 | 2,65,777 | - 1,07,214 |
| Madras-Ennore Railway ... ... ... ... ... | 55,935 | 26,595 | - 29,340 |
| Bezwada-Madras State Railway ... ... ... ... | 69,69,161 | 66,29,610 | - 3,39,551 |
| Shoranur-Cochin Railway Survey ... ... ... ... | 1,711 | 31,037 | + 29,326 |
| Calicut-Cannanore Railway Survey ... ... ... ... | - 30,895 | ... | + 30,895 |
| Madura-Pámban Railway Survey ... ... ... ... | 8 | ... | - 8 |
| Arsikeri-Mangalore Railway Survey ... ... ... | - 3,452 | ... | + 3,452 |
| State outlay on Guaranteed Railways ... ... ... | 1,23,079 | 3,90,388 | + 2,67,309 |
| State Subsidised Companies (Nilgiri Railway) ... ... | 10,363 | 17,060 | + 6,697 |
| 2. Famine Relief ... ... ... ... ... ... ... | 65,69,653 | ... | - 65,69,653 |
| 3. Irrigation and Navigation— | | | |
| Famine relief and insurance, Construction of Protective Irrigation works ... ... ... ... ... ... | 1,44,008 | 53,351 | - 90,657 |
| Capital expenditure of Irrigation works not charged against revenue ... ... ... ... ... ... | 7,85,656 | 5,01,800 | - 2,83,856 |
| Major works—Working expenses ... ... ... ... | 13,90,649 | 14,56,737 | + 66,088 |
| 4. Military— | | | |
| Military works ... ... ... ... ... ... ... | 75,266 | 69,926 | - 5,340 |
| 5. Civil works ... ... ... ... ... ... ... | 49,198 | 75,262 | + 26,064 |
| Total ... | 2,67,28,189 | 1,80,25,515 | - 87,02,674 |

The opening of the Bezwada-Madras Railway which increased the mileage worked chiefly caused the increase under East Coast Railway. The increase under 'State outlay on Guaranteed Railways' was due to more extensive acquisition of lands for the Calicut-Cannanore and Arcot-Ránipéttai Railway extensions of the Madras Railway. The decrease under South Indian Railway was chiefly due to the transfer of the Nellore-Gudur section to the East Coast Railway and reduction of the passenger train service between Pakala and Darmavaram owing to slackness of traffic on account of plague restrictions. That under 'Mysore State Railway and Madras-Ennore Railway' was coincident with the fall in the earnings. The decrease under 'Famine Relief' represents the actual charges on account of famine relief in 1897-98. During the year under report no charges were incurred under this head debitable to Imperial services. Under 'Irrigation and Navigation' the heavy expenditure incurred on the Gódávari and Cauvery Delta systems, and the Periyár and Rushikulya projects caused the increase under working expenses, whilst the approaching completion of the Rushikulya Project and restriction on outlay caused the decrease under the other heads. The vigorous prosecution of the meteorological and postal works caused the increase under civil works.

## IMPERIAL SERVICES—(*C*) POSTAL AND TELEGRAPH.

The receipts and outgoings of these two departments for the past five years are given below :—

| Years. | Postal. | | | Telegraph. | | |
|---|---|---|---|---|---|---|
| | Receipts. | Charges. | Difference. | Receipts. | Charges. | Difference. |
| | RS. | RS. | RS. | RS. | RS. | RS. |
| 1894-95 ... ... ... | 1,13,79,076 | 1,33,49,193 | + 19,70,117 | 8,53,302 | 5,18,475 | – 3,34,827 |
| 1895-96 ... ... ... | 1,21,42,247 | 1,44,70,199 | + 23,27,952 | 8,15,677 | 5,40,899 | – 2,74,778 |
| 1896-97 ... ... ... | 1,30,05,939 | 1,60,81,160 | + 30,75,221 | 7,59,309 | 5,37,470 | – 2,21,839 |
| 1897-98 ... ... ... | 1,39,14,861 | 1,91,29,231 | + 52,14,370 | 7,44,278 | 5,76,428 | – 1,67,850 |
| 1898-99 ... ... ... | 1,43,74,211 | 1,91,03,894 | + 47,29,683 | 6,91,693 | 5,71,748 | – 1,19,945 |

Fluctuations in the receipts and charges of the Postal department depend chiefly upon the transactions of the Postal Savings' Bank. The sale-proceeds of postage stamps and the discount allowed thereon are shown below :—

| Years. | Postage Stamps. | Service Postage Stamps. | Discount on sale of Stamps. | Sale of Postage Service Stamps. |
|---|---|---|---|---|
| | RS. | RS. | RS. | RS. |
| 1896-97 ... ... ... | 20,98,674 | 4,33,441 | 32,158 | 18,613 |
| 1897-98 ... ... ... | 21,91,306 | 4,60,034 | 33,640 | 19,887 |
| 1898-99 ... ... ... | 22,51,306 | 4,69,838 | 34,487 | 22,884 |

The outlay on the construction of lines chiefly accounted for the variations in the charges of the Telegraph department.

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## III.—PROVINCIAL SERVICES.

The receipts and charges of Provincial services during the past five years are shown in the subjoined statement :—

| Major head of account. | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. | 1898-99 compared with 1897-98. |
|---|---|---|---|---|---|---|
| *Income, Provincial Services.* | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| I. Land revenue ... ... | 1,63,47,251 | 1,68,45,838 | 1,58,35,117 | 1,50,28,821 | 1,72,65,627 | + 22,36,806 |
| III. Salt ... ... . | 1,58,182 | 1,60,590 | 1,33,583 | 76,977 | 85,015 | + 8,038 |
| IV. Stamps ... . . | 59,04,908 | 59,75,504 | 59,55,646 | 63,15,194 | 62,00,109 | − 1,15,085 |
| V. Excise ... . ... | 34,17,892 | 35,96,014 | 37,24,141 | 36,54,861 | 34,19,356 | − 2,35,505 |
| VII. Customs ... .. ... | 56,928 | 82,823 | 68,253 | 70,080 | 79,777 | + 9,697 |
| VIII. Assessed taxes ... ... | 11,03,006 | 11,43,072 | 12,29,920 | 12,36,727 | 12,99,126 | + 62,399 |
| IX. Forest ... ... .. | 9,47,015 | 10,55,284 | 11,51,664 | 10,68,246 | 10,55,259 | − 12,987 |
| X. Registration ... . | 6,08,203 | 6,11,120 | 6,05,636 | 7,65,254 | 6,45,435 | − 1,19,819 |
| XII. Interest ... ... ... | 1,80,585 | 1,56,707 | 1,59,051 | 1,72,747 | 2,59,316 | + 86,569 |
| XIII. Post office .. .. | ... | ... | ... | ... | . | ... |
| XVI. Law and Justice— | | | | | | |
| A. Courts of Law ... | 7,37,104 | 7,41,947 | 6,96,303 | 8,01,096 | 7,98,991 | − 5,105 |
| B. Jails ... .. | 4,31,517 | 4,83,953 | 4,27,866 | 4,49,742 | 4,21,297 | − 28,445 |
| VII. Police ... ... ... | 4,73,390 | 4,80,469 | 4,50,395 | 4,37,974 | 4,49,850 | + 11,876 |
| XVIII. Marine ... ... ... | 14 | 1,13,215 | ... | ... | ... | ... |
| XIX. Education ... . . | 1,81,398 | 1,94,947 | 1,98,033 | 1,79,516 | 1,81,126 | + 1,610 |
| XX. Medical ... ... ... | 1,12,725 | 1,33,579 | 1,24,738 | 1,27,639 | 1,16,042 | − 11,597 |
| XXI. Scientific, &c., departments ... ... ... | 1,83,989 | 2,16,779 | 2,72,280 | 2,28,458 | 2,77,884 | + 49,426 |
| XXII. Superannuation ... ... | 40,706 | 46,248 | 44,596 | 52,708 | 52,842 | + 134 |
| XXIII. Stationery and printing... | 1,24,309 | 1,33,031 | 1,30,221 | 1,12,888 | 1,16,284 | + 3,396 |
| XXV. Miscellaneous ... ... | 1,84,455 | 1,75,369 | 1,59,944 | 2,02,558 | 1,78,738 | − 23,820 |
| XXVI. State Railways Gross Profit ... ... ... | 2,11,785 | 2,46,536 | 2,57,203 | 2,58,372 | 2,45,846 | − 12,526 |
| XXX. Irrigation and navigation— | | | | | | |
| By Civil officers ... | 16,400 | 11,025 | 10,625 | 9,134 | 9,341 | + 207 |
| By Public Works officers. | 1,65,884 | 1,55,840 | 1,75,059 | 1,73,742 | 1,74,621 | + 79 |
| XXXII. Civil works— | | | | | | |
| By Civil officers ... | 31,157 | 25,625 | 3,234 | 3,903 | 4,378 | + 475 |
| By Public Works officers | 1,25,199 | 1,70,542 | 1,92,535 | 1,88,361 | 1,69,376 | − 18,985 |
| Contributions from Local. | 5,32,490 | 3,03,390 | 2,70,825 | 2,96,530 | 2,59,448 | − 37,082 |
| Total ... | 3,22,76,492 | 3,32,59,447 | 3,22,77,168 | 3,19,14,528 | 3,37,65,084 | + 18,50,556 |
| Provincial Deficit ... | ... | ... | 20,05,797 | 15,77,070 | ... | − 15,77,070 |
| Grand Total ... | 3,22,76,492 | 3,32,59,447 | 3,42,82,965 | 3,34,91,598 | 3,37,65,084 | + 2,73,486 |
| *Expenditure, Provincial Services.* | | | | | | |
| 1. Refunds and drawbacks ... | 1,71,740 | 1,15,647 | 1,43,145 | 1,32,368 | 1,41,657 | + 9,289 |
| 3. Land revenue ... ... | 51,79,221 | 51,99,850 | 52,41,621 | 54,60,469 | 49,16,702 | − 5,43,767 |
| 5. Salt ... ... ... ... | 5,76,246 | 6,19,179 | 6,06,045 | 3,94,366 | 3,96,429 | + 2,063 |
| 6. Stamps ... ... ... | 2,59,953 | 2,66,497 | 2,41,488 | 2,57,335 | 2,42,223 | − 15,112 |
| 7. Excise ... ... ... | 1,54,475 | 1,74,833 | 1,76,699 | 2,48,092 | 2,48,019 | − 73 |
| 9. Customs ... ... ... | 2,01,123 | 2,31,683 | 2,32,803 | 2,34,572 | 2,47,037 | + 12,465 |
| 10. Assessed taxes ... ... | 11,639 | 11,810 | 13,130 | 14,009 | 14,469 | + 460 |
| 11. Forest ... ... ... | 6,93,173 | 7,22,803 | 7,67,148 | 7,86,427 | 7,97,335 | + 10,908 |
| 12. Registration ... ... | 3,97,735 | 4,08,270 | 4,06,032 | 4,15,142 | 4,21,145 | + 6,003 |
| 13. Interest, &c. .. ... ... | 1,66,911 | 1,59,188 | 1,70,083 | 1,85,768 | 2,03,656 | + 17,888 |
| 15. Post office ... ... ... | 84,906 | 88,241 | 1,01,136 | 1,07,477 | 1,03,869 | − 3,608 |
| 18. General administration ... | 10,25,097 | 10,26,689 | 9,92,015 | 10,07,184 | 9,96,847 | − 10,337 |
| 19. Law and Justice— | | | | | | |
| A. Courts of Law ... ... | 46,52,718 | 46,70,044 | 45,94,409 | 46,24,764 | 46,13,291 | − 11,473 |
| B. Jails ... ... ... | 10,26,044 | 10,34,867 | 10,64,528 | 11,57,674 | 11,88,232 | + 30,558 |
| 20. Police ... ... ... | 43,96,523 | 45,83,784 | 46,48,081 | 46,61,602 | 45,47,722 | − 1,13,880 |
| 21. Marine ... ... ... | 47,697 | 14,970 | 1,17,728 | 7,999 | 8,122 | + 123 |
| 22. Education ... ... ... | 16,38,665 | 16,70,843 | 16,75,004 | 17,47,283 | 18,04,546 | + 57,263 |
| 24. Medical ... ... ... | 12,98,683 | 13,00,180 | 13,34,117 | 13,05,325 | 14,89,386 | + 1,84,061 |
| 25. Political ... ... ... | 84,739 | 82,827 | 82,391 | 84,960 | 74,157 | − 10,803 |
| 26. Scientific, &c., departments. | 4,07,215 | 4,05,157 | 4,19,213 | 4,28,266 | 5,74,835 | + 1,46,569 |
| 29. Superannuation ... ... | 14,46,566 | 14,85,341 | 15,65,469 | 15,89,814 | 15,90,046 | + 232 |
| 30. Stationery and printing ... | 8,99,768 | 9,48,113 | 9,34,208 | 10,37,217 | 9,66,554 | − 70,663 |
| 32. Miscellaneous ... ... | 1,38,814 | 1,44,174 | 1,44,009 | 1,71,492 | 1,48,474 | − 23,018 |
| 33. Famine relief { Civil / P.W.D. } ... | 371 | 2,248 | { 1,39,476 / 3,31,311 | 15,97,382 ... | 7,572 11,585 | − 15,89,810 + 11,585 |
| 37. Construction of railways ... | 1,26,684 | 52,628 | 18,436 | 27,606 | − 1,989 | − 29,595 |
| 38. State Railways ... ... | 1,30,739 | 1,52,822 | 1,51,910 | 1,49,832 | 1,69,999 | + 20,167 |
| 41. Miscellaneous railway expenditure ... ... | − 7,433 | ... | ... | ... | ... | ... |
| 43. Irrigation and navigation— | | | | | | |
| By Civil officers ... ... | 3,96,908 | 3,72,678 | 4,07,197 | 3,67,204 | 3,94,141 | + 26,937 |
| By Public Works officers. | 29,37,487 | 31,82,955 | 38,31,763 | 28,71,532 | 28,74,619 | + 3,087 |
| 45. Civil works— | | | | | | |
| By Civil officers ... ... | 4,20,576 | 8,55,903 | 7,96,813 | 3,44,534 | 1,87,125 | − 1,57,409 |
| By Public Works officers. | 20,89,933 | 25,31,360 | 24,24,318 | 17,79,357 | 25,07,719 | + 7,28,362 |
| Contributions to Local ... | 2,98,300 | 3,02,680 | 5,11,239 | 2,94,546 | 2,62,472 | − 32,074 |
| Total Provincial ... ... | 3,13,53,216 | 3,28,18,264 | 3,42,82,965 | 3,34,91,598 | 3,21,47,996 | − 13,43,602 |
| Provincial Surplus ... | 9,23,276 | 4,41,183 | ... | ... | 16,17,088 | + 16,17,088 |
| Grand Total ... | 3,22,76,492 | 3,32,59,447 | 3,42,82,965 | 3,34,91,598 | 3,37,65,084 | + 2,73,486 |

The following table, however, exhibits in one view the position of Provincial finances during that period:

| | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Opening balance | 29,36,254 | 38,59,530 | 43,00,714 | 22,94,917 | 7,17,847 |
| Surplus + or deficit − .. | + 9,23,276 | + 4,41,184 | − 20,05,797 | − 15,77,070 | + 16,17,088 |
| Closing balance ... | 38,59,530 | 43,00,714 | 22,94,917 | 7,17,847 | 23,34,935 |

The reduction in the balances at credit of the Provincial Government on the 31st March 1897 and the further reduction on the 31st March 1898 were due to famine which not only decreased revenue but also increased expenditure. In consideration of the heavy strain on Provincial finances caused by famine the Government of India sanctioned a special contribution of 10 lakhs of rupees in aid of Provincial resources, and made a grant of the amount of direct famine and plague expenditure incurred by the Madras Government in the year under report. The Government of India further sanctioned a grant in the same year of Rs. 3,00,000, which was placed at the disposal of the Madras Government for grants-in-aid to such municipalities as had been most affected by plague expenditure. The contributions referred to above amounted in the aggregate to Rs. 12,57,792 as entered in the following statement showing how the Provincial share of Land Revenue as given in this report was calculated for the past two years. Explanations for the variations between the actuals of 1897–98 and 1898–99 without distinction of Imperial and Provincial having been given in Section II need not be recapitulated here:—

| | 1897-98. | 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Total land revenue, Imperial and Provincial ... ... ... ... ... ... | 5,38,41,440 | 5,54,06,903 |
| Provincial share divided proportionately ... ... ... ... ... ... | 1,50,92,000 | 1,38,51,726 |
| Add— | | |
| Part of the amount expended on the education of two Forest officers transferred from Madras to Burma (Government of India, Financial, No. $\frac{A}{3630}$, dated 17th August 1897) ... ... ... ... ... ... | 1,002 | ... |
| Fixed assignment under the Provincial settlement ... ... ... ... | ... | 17,46 000 |
| Special contributions ... ... ... ... ... ... ... | ... | * 12,57,792 |
| Contribution to local bodies in aid of plague expenditure ... ... ... | ... | 3,00,000 |
| On account of training Madras Hospital Assistant pupils for service in Burma (Government of India, Financial No. $\frac{A}{5428}$, 17th December 1897) ... | ... | 16,843 |
| On account of cost of instruments, &c., for the Kodaikánal Observatory (Government of India, Financial, No. $\frac{A}{4804}$, dated 3rd November 1898) ... | ... | 4,016 |
| On account of contribution for the purchase of cinchona bark (Government of India, Financial, No. $\frac{A}{1475}$, dated 28th March 1898 ... ... ... | ... | 1,02,000 |
| Total additions ... | 1,002 | 34,26,651 |
| Deduct— | | |
| Amount placed at the disposal of the Military Department for the construction of a New Detention Hospital (Government of India, Military, No. $\frac{D}{1109}$, dated 2nd March 1895) ... ... ... ... ... ... ... | 63,049 | ... |
| Amount recovered from Local funds on account of contribution for the ferry flats required in the Gódávari delta (Government of India, Financial, No. $\frac{A}{2906}$, dated 3rd July 1897) ... ... ... ... ... ... ... | 1,132 | ... |
| On account of the transfer of the charge for freight, &c., to the head "Salt Purchase and Freight" from salaries, establishment and contingencies (*vide* Government of India, Financial, No. $\frac{A}{1659}$, dated 14th April 1898) ... | ... | 12,750 |
| Total deductions ... | 64,181 | 12,750 |
| Net addition to, or deduction from, Provincial ... | − 63,179 | + 34,13,901 |
| Total Provincial share of Land Revenue ... | 1,50,28,821 | 1,72,65,627 |

| | Rs. |
|---|---|
| * Special contribution ... ... ... ... ... ... ... ... ... | 10,00,000 |
| Plague expenditure ... ... ... ... ... ... ... ... ... | 2,38,634 |
| Famine „ ... ... ... ... ... ... ... ... ... | 7,573 |
| „ Public Works ... ... ... ... ... ... ... ... ... | 11,585 |
| | 12,57,792 |

## IV.—FETTERED AND EXCLUDED LOCAL FUNDS.

This section deals with funds that have been raised from special sources and devoted to specified objects rather than to the general purposes of the administration and is divided into two sections—(i) Incorporated Local Funds and (ii) Excluded Local Funds.

### (1) INCORPORATED LOCAL FUNDS.

Incorporated Local Funds are those the transactions of which are incorporated in the general accounts. They comprise the following: (1) Local Funds under Act V of 1884, (2) Village Service Funds, (3) Irrigation Cess Funds, and (4) the Bhadráchalam Road Fund. The receipts and charges of these funds, as recorded in the Civil and the Public Works Department books as well as their opening and closing balances for the past two years, are shown in the following statement :—

*Incorporated Local Funds not at the unfettered disposal of Government.*

| | Local Funds under Act V of 1884. | | Village Service Fund. | | Irrigation Cess Fund. | | The Bhadráchalam Road Fund. | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| *Income.* | | | | | | | | | | |
| I. Land revenue ... ... ... ... | 1,24,213 | 1,26,505 | 21,63,128 | 19,90,545 | ... | ... | ... | ... | 22,87,341 | 21,17,050 |
| VI. Provincial rates ... ... ... ... | 55,95,613 | 55,71,812 | 22,40,097 | 20,77,205 | 57,211 | 54,654 | 5,348 | 6,994 | 78,98,269 | 77,10,755 |
| XII. Interest ... ... ... ... | 49,804 | 52,849 | ... | ... | 1 | 4 | ... | ... | 49,805 | 52,853 |
| XVI A. Law and Justice—Courts of Law ... | 23,997 | 23,713 | ... | ... | ... | ... | ... | ... | 23,997 | 23,713 |
| XIX. Education ... ... ... ... | 2,32,175 | 2,35,332 | ... | ... | ... | ... | ... | ... | 2,32,175 | 2,35,332 |
| XX. Medical ... ... ... ... | 53,269 | 47,657 | ... | ... | ... | ... | ... | ... | 53,269 | 47,657 |
| XXII. Superannuation ... ... ... ... | 307 | 1,235 | ... | ... | ... | ... | ... | ... | 307 | 1,235 |
| XXV. Miscellaneous ... ... ... ... | 6,24,574 | 6,68,410 | ... | ... | ... | ... | ... | ... | 6,24,574 | 6,68,410 |
| XXXII. Civil Works— | | | | | | | | | | |
| By Civil officers ... ... ... ... | 10,14,566 | 10,42,454 | 51 | 65 | ... | ... | 684 | 666 | 10,15,301 | 10,43,185 |
| By Public Works officers ... ... | 6,787 | 6,654 | ... | ... | ... | ... | ... | ... | 6,787 | 6,654 |
| Contributions from Provincial to Local ... | 2,94,546 | 2,62,472 | ... | ... | ... | ... | ... | ... | 2,94,546 | 2,62,472 |
| Transfers between Local and Local ... | 1,288 | 2,243 | ... | ... | ... | ... | ... | ... | 1,288 | 2,243 |
| Total—Service Heads ... | 80,21,139 | 80,41,336 | 44,03,276 | 40,67,905 | 57,212 | 54,658 | 6,032 | 7,660 | 1,24,87,659 | 1,21,71,559 |
| Debt Heads ... | 44,44,198 | 43,46,405 | ... | ... | ... | ... | ... | ... | 44,44,198 | 43,46,405 |
| Total of both ... | 1,24,65,337 | 1,23,87,741 | 44,03,276 | 40,67,905 | 57,212 | 54,658 | 6,032 | 7,660 | 1,69,31,857 | 1,65,17,964 |
| *Expenditure.* | | | | | | | | | | |
| 1. Refunds and drawbacks ... ... | 9,266 | 11,279 | 2,581 | 7,355 | 42 | 227 | ... | ... | 11,889 | 18,861 |
| 3. Land revenue ... ... | ... | ... | 45,89,052 | 46,76,619 | 17 | 49 | 4,338 | 5,423 | 45,93,407 | 46,82,091 |
| 14. Interest on other obligations ... ... | 2,615 | 2,891 | ... | ... | ... | ... | ... | ... | 2,615 | 2,891 |
| 18. General administration ... ... | 3,36,340 | 3,42,093 | ... | ... | ... | ... | ... | ... | 3,36,340 | 3,42,093 |
| 22. Education ... ... ... ... | 10,95,773 | 10,75,292 | ... | ... | ... | ... | ... | ... | 10,95,773 | 10,75,292 |
| 24. Medical ... ... ... ... | 15,10,658 | 18,95,386 | ... | ... | ... | ... | ... | ... | 15,10,658 | 18,95,386 |
| 29. Superannuation ... ... ... ... | 15,689 | 26,472 | ... | ... | ... | ... | ... | ... | 15,689 | 26,472 |
| 32. Miscellaneous ... ... ... ... | 3,07,472 | 3,07,626 | ... | ... | ... | ... | 142 | 144 | 3,07,614 | 3,07,770 |
| 33. Famine Relief ... ... ... ... | 1,25,780 | ... | ... | ... | ... | ... | ... | ... | 1,25,780 | ... |
| 45. Civil Works— | | | | | | | | | | |
| By Civil officers ... ... ... ... | 41,90,774 | 40,31,595 | 24,672 | 34,432 | 48,902 | 45,543 | 938 | 1,155 | 42,65,286 | 41,12,725 |
| By Public Works officers ... ... | 45,589 | 37,760 | ... | ... | 6,467 | 8,104 | ... | ... | 52,056 | 45,864 |
| Contribution from Local to Provincial ... | 2,15,131 | 1,79,763 | 80,475 | 78,616 | 686 | 860 | 238 | 209 | 2,96,530 | 2,59,448 |
| Transfers between Local and Local ... ... | 1,015 | 1,883 | 266 | 346 | 7 | 14 | ... | ... | 1,288 | 2,243 |
| Total—Service Heads ... | 78,56,102 | 79,12,030 | 46,97,046 | 47,97,368 | 56,121 | 54,797 | 5,656 | 6,931 | 1,26,14,925 | 1,27,71,126 |
| Debt Heads ... | 46,76,128 | 48,23,258 | ... | ... | ... | ... | ... | ... | 46,76,128 | 48,23,258 |
| Total of both ... | 1,25,32,230 | 1,27,35,288 | 46,97,046 | 47,97,368 | 56,121 | 54,797 | 5,656 | 6,931 | 1,72,91,053 | 1,75,94,384 |
| Surplus Service Heads ... ... ... | 1,65,037 | 1,29,306 | ... | ... | 1,091 | ... | 376 | 729 | ... | ... |
| Deficit Service Heads ... ... ... | ... | ... | 2,93,770 | 7,29,463 | ... | 139 | ... | ... | 1,27,266 | 5,99,567 |
| Opening balance ... | 21,49,189 | 20,82,296 | 16,85,919 | 13,92,149 | 67,800 | 68,891 | 3,394 | 3,770 | 39,06,302 | 35,47,106 |
| Closing balance ... | 20,82,296 | 17,34,749 | 13,92,149 | 6,62,686 | 68,891 | 68,752 | 3,770 | 4,499 | 35,47,106 | 24,70,686 |

The receipts relating to Local Funds under Act V of 1884, exclusive of contributions from Provincial revenues, amounted in the aggregate to Rs. 77,76,621 against Rs. 77,25,305 in 1897–98. The net increase of Rs. 51,316 over those of the previous year is made up as shown below :—

| — | Increase. | Decrease. |
|---|---|---|
| | Rs. | Rs. |
| Land Revenue ... ... ... ... ... ... ... ... | 2,292 | ... |
| Provincial rates ... ... ... ... ... ... ... ... | ... | 23,801 |
| Interest .. ... ... ... ... ... ... ... ... | 3,045 | ... |
| Law and Justice—Courts of Law ... ... ... ... ... | ... | 284 |
| Education ... ... ... ... ... ... ... ... | 3,157 | ... |
| Medical ... ... ... ... ... ... ... ... ... | ... | 5,612 |
| Superannuations . ... ... ... ... ... ... ... | 928 | ... |
| Miscellaneous ... ... ... ... ... ... ... ... | 43,836 | ... |
| Civil Works { By Civil officers ... ... ... ... ... | 27,888 | ... |
| Civil Works { By Public Works officers ... ... ... ... | ... | 133 |
| Total ... | 81,146 | 29,830 |
| Net Increase ... | 51,316 | |

The increase under 'Miscellaneous' was almost entirely in the choultry rents of the Tanjore district due partly to the prompt collection of current and arrear demands, and partly to the increase in the *commutation* rate of prices. Under 'Civil Works by Civil officers' an increase of Rs. 14,000 represented an adjustment effected on account of discount realized by the purchase of Government securities for the Railway Guarantee Fund of the Tanjore district in the previous year. The rest of the increase came in by contributions from municipalities and private individuals. The actuals of 1897–98 under Provincial rates included arrears left uncollected in the previous year on account of famine; hence the decrease under that head in the year under report. The decrease under 'Medical' was due chiefly to a fall in the contributions from private individuals. The contributions from Provincial Funds amounted in the aggregate to Rs. 2,62,472, or Rs. 32,074 less than in the previous year; the decrease having taken place under contributions in aid of Public Works. But transfers between Local and Local caused a net increase of Rs. 955, so that the total increase in the receipts over those of the previous year was reduced to Rs. 20,197. The expenditure of the year amounted to Rs. 79,12,030 or Rs. 55,928 more than in the previous year. The increase is made up as follows :—

| — | Increase. | Decrease. |
|---|---|---|
| | Rs. | Rs. |
| Refunds ... ... ... ... ... ... ... ... ... | 2,013 | ... |
| Interest ... ... ... ... ... ... ... ... ... | 276 | ... |
| General administration ... ... ... ... ... ... | 5,753 | ... |
| Education ... ... ... ... ... ... ... ... | ... | 20,481 |
| Medical ... ... ... ... ... ... ... ... ... | 3,84,728 | ... |
| Superannuation ... ... ... ... ... ... ... ... | 10,783 | ... |
| Miscellaneous ... ... ... ... ... ... ... ... | 154 | ... |
| Famine relief ... ... ... ... ... ... ... ... | ... | 1,25,780 |
| Civil Works { by Civil officers ... ... ... ... ... | ... | 1,59,179 |
| Civil Works { by Public Works officers ... ... ... ... | ... | 7,839 |
| Contributions ... ... ... ... ... ... ... ... | ... | 35,368 |
| Transfers ... ... ... ... ... ... ... ... | 868 | ... |
| Total ... | 4,04,575 | 3,48,647 |
| Net Increase ... | 55,928 | |

The charges under 'General Establishments of Local Funds' increase with the establishment of additional Panchâyat Unions. The expenditure incurred in connection with plague precautionary measures accounted for the excess under 'Medical.' The increase under 'Superannuations' represented bonuses paid on account of Local Fund employés to Provident Funds. The decrease under 'Education' was in the charges for schools which are now decreasing year by year. There were no charges on account of famine relief in the year under report; hence the large decrease under that head compared with the previous year. The heavy burden thrown on District Boards by expenditure incurred on plague preventive measures led to the curtailment of Civil Works by Civil and by Public Works officers. The accounts of 1897-98 included under 'Contributions' Rs. 27,605 adjusted on account of repayment of expenditure on Máyavaram-Muttupet Railway. This accounted chiefly for the decrease under contributions as compared with the previous year. The funded capital of District Boards which amounted to Rs. 14,77,141 on 1st April 1898 stood, as at present ascertained, at Rs. 17,85,365 on the 31st March 1899. The receipts under *Village Service Funds* comprise (1) contributions from general revenues, (2) contributions from ryots, and (3) miscellaneous sundry receipts. Notwithstanding an increase in the total land revenue collections of the year the receipts under these funds fell from Rs. 44,03,276 to Rs. 40,67,905. This fall was due to the reduced rate of village cess, viz., 7 pies in every rupee of assessment and water-tax which was levied from 1st July 1897 having been in force throughout the official year under report. The contributions from ryots are levied under the provisions of the Madras Village Cess Act IV of 1893, which is in force throughout the Presidency, except in the taluks of Ernad, Walluvanad, Palghat and Ponnáni, and in part of Karumbranad in the Malabar district. The contributions from general revenues should equal the village cess collections. In the above-mentioned taluks of the Malabar district, where Village Cess Act IV of 1893 is not in force, there was an increase which followed the increase in the Land Revenue collections of the district. On the other hand, the charges rose from Rs. 46,97,046 to Rs. 47,97,368 due partly to the introduction of the scheme for the revision of Village Establishments in a few districts, but chiefly to the disbursement of the pay of the karnams on the increased scale sanctioned by Government in September 1898. The decrease in receipts and the increase in expenditure as explained above caused a deficit of Rs. 7,29,463 in the transactions of the year, and the balance at credit of these Funds which stood at Rs. 13,92,149 at the beginning of the year was reduced at its close to Rs. 6,62,687. *Irrigation Cess* Funds exist only in the districts of Chingleput, Trichinopoly, Madura, Coimbatore, Salem and Tanjore, but in the last-named district there were no transactions in the year under report or in the previous one. The balance of Rs. 96 which stood to the credit of this Fund in this district was refunded to the ryots concerned. The total receipts of the Funds amounted to Rs. 54,658 against Rs. 57,212 in the previous year. The decrease which was due chiefly to the absence of arrears would have been greater but for the collection of the cess for the first time under the Nilayar channel in the Madura district at annas 3 in the rupee as sanctioned in G.O., No. 48, dated 28th January 1898. The charges of the year were Rs. 54,797 or Rs. 1,324 less than in the previous year. The receipts and charges relating to *Bhadráchalam Road Fund* amounted to Rs. 7,660 and Rs. 6,931, respectively, against Rs. 6,032 and Rs. 5,656 in 1897-98.

## (2) EXCLUDED LOCAL FUNDS.

The following table gives the receipts and outgoings of these Funds in the past two years together with their opening and closing balances. The funds comprising this category are the following: (i) Port and Marine Funds, (ii) Cantonment Funds, and (iii) the University Fee Fund. The transactions of Cantonment Funds are accounted for in accordance with special rules, whilst those of the two remaining Funds follow generally the procedure of the Incorporated Funds:—

| Funds. | Opening balance on 1st April 1897. | 1897-98. | | Closing balance on 31st March 1898. | 1898-99. | | Closing balance on 31st March 1899. |
|---|---|---|---|---|---|---|---|
| | | Receipts. | Charges. | | Receipts. | Charges. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Port and Marine Funds ... | 3,13,951 | 5,71,342 | 5,66,880 | 3,18,413 | 6,55,999 | 6,94,515 | 2,79,897 |
| Cantonment Funds . | 4,065 | 25,792 | 27,022 | 2,835 | 28,919 | 27,882 | 3,872 |
| University Fee Fund. | 15,185 | 2,03,787 | 1,65,130 | 53,842 | 2,03,425 | 2,05,058 | 52,209 |
| Total ... | 3,33,201 | 8,00,921 | 7,59,032 | 3,75,090 | 8,88,343 | 9,27,455 | 3,35,978 |

Port and Marine Funds which represent the largest portion of the Excluded Funds in the Madras Presidency comprise the receipts and charges under Act X of 1889 (the Indian Ports Act), Act III of 1885 (Landing and Shipping Dues Act), Pilotage Funds and Pier Dues (Acts V of 1863 and VII of 1871). The receipts and charges under Act X of 1889 amounted to Rs. 4,78,592 and Rs. 5,13,869 against Rs. 4,18,840 and Rs. 4,54,990, respectively, in 1897–98. The increase in outgoings was due to large outlay on Light-House Works and other port improvements. The balance at credit which stood at Rs. 1,55,551 on 1st April 1898 was reduced to Rs. 1,20,273 on the 31st March 1899. The invested balance continues to be Rs. 5,47,000. The receipts and charges under Act III of 1885 amounted to Rs. 80,399 and Rs. 67,019, respectively, against Rs. 79,408 and Rs. 41,055 in the previous year. The loan of Rs. 16,500 made to the landing and shipping dues, Cocanada, was repaid to the Malabar Port Fund in the year under report. The invested balance stood unaltered at Rs. 5,000 for the Masulipatam Port. The balance at credit of Landing and Shipping Dues Fund which stood at Rs. 1,46,244 on 1st April 1898 was raised to Rs. 1,59,624 on 31st March 1899. The receipts and charges of Pilotage Funds amounted to Rs. 61,709 and Rs. 59,839, respectively, against Rs. 47,602 and Rs. 63,832, in 1897–98. Madras Pilotage Fund showed a deficit of Rs. 9,843 and the Pámban Pilotage Fund a surplus of Rs. 8,426, which were adjusted to the Port Fund under G.O., No. 168, Marine, dated 23rd February 1899. There was no balance on the 31st March 1899. The collection of pier dues amounted to Rs. 35,299 and the charges to Rs. 53,787. Tuticorin pier dues showed a surplus of Rs. 20,230 and Cochin a deficit of Rs. 7,800, which were transferred to the Group Port Funds under the orders of Government. The receipts and charges on account of pier dues in 1897–98 were Rs. 25,492 and Rs. 7,004, respectively. The balances under 'Cantonment Funds' which stood at Rs. 2,835 on 1st April 1898, were raised to Rs. 3,872 on the 31st March 1899. The receipts and charges of the University Fee Fund during the year under report did not differ largely, and therefore the balance at credit which stood at Rs. 53,842 on 1st April 1898 was reduced to Rs. 52,210 only. Government promissory notes of the nominal value of Rs. 25,900 were purchased during the year, and the invested balance on the 31st March 1899 amounted to Rs. 2,90,900.

# V.—LOANS.

The following statement gives particulars of the loans outstanding at the beginning and at the close of the year :—

| Persons and corporations to whom loans have been granted. | On what account. | Amount of loan sanctioned. | Rate of interest. | Balance from last year. | Amount advanced in 1898-99. | Total. | Amount repaid in 1898-99. | Balance. | Amount of interest recovered and credited to revenue. | Balance of interest unpaid. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. | PER CENT. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs |
| 1. Madras municipality ... | For water-supply project, 1869-73 ... | 14,30,000 | 4·00 | 14,30,000 | | 14,30,000 | | 14,30,000 | 57,200 | ... |
| 2. Ootacamund municipality. | For the Kándal drainage scheme . . . | 17,500 | 4·25 | 13,680 | ... | 13,680 | 734 | 12,946 | 581 | ... |
| 3. Do. do. ... | To pipe the Dodabetta or south water-supply system of Ootacamund ... .. | 43,000 | 4·25 | 33,227 | ... | 33,227 | 1,822 | 31,405 | 1,412 | ... |
| 4. Coonoor do. ... | For town drainage scheme, 1891 ... ... ... ... | 10,000 | 4·25 | 7,176 | ... | 7,176 | 447 | 6,729 | 305 | .. |
| 5. Do. do. ... | For town drainage scheme, 1892 ... .. ... ... | 2,000 | 4·50 | 1,650 | ... | 1,650 | 80 | 1,570 | 74 | ... |
| 6. Cochin do. ... | For completing Kalvetti reclamation works, 1889 ... | 14,000 | 4·50 | 3,842 | ... | 3,842 | 890 | 2,952 | 173 | . |
| 7. Calicut do. ... | For widening the Robinson road and for payment to the Madras Railway Company on account of the railway extension to Calicut, 1891 ... | 30,000 | 4·50 | 15,000 | ... | 15,000 | 2,000 | 13,000 | 692 | ... |
| 8. Tellicherry do. .. | For construction of road ... | 5,000 | 4·25 | 3,000 | ... | 3,000 | 500 | 2,500 | 128 | ... |
| 9. Kumbakónam do. ... | For town drainage scheme, 1890 ... ... ... ... | 60,000 | 4·50 | 50,570 | ... | 50,570 | 2,365 | 48,205 | 2,240 | ... |
| 10. Máyavaram do. ... | For the construction of a school building ... ... | 3,500 | 4·25 | 2,275 | ... | 2,275 | 175 | 2,100 | 97 | ... |
| 11. Do. do. ... | For the construction of two markets ... ... ... | 5,000 | 4·25 | 2,250 | ... | 2,250 | 150 | 2,100 | 96 | ... |
| 12. Adóni do. ... | For water-supply, 1893 ... | 66,000 | 4·25 | 60,717 | ... | 60,717 | 1,353 | 59,364 | 2,580 | ... |
| 13. Cuddapah do. ... | For water-supply, 1892 ... | 9,695 | 4·25 | 8,825 | ... | 8,825 | 203 | 8,622 | 375 | ... |
| 14. Trichinopoly do. ... | For water-supply, 1894 ... | 1,00,000 | 4·25 | 90,000 | ... | 90,000 | 3,333 | 86,667 | 3,825 | ... |
| 15. Tanjore do. ... | For water-supply, 1892 ... | 1,90,000 | 4·25 | 1,70,550 | ... | 1,70,550 | 6,317 | 1,64,233 | 7,248 | ... |
| 16. Kurnool do. ... | For water-supply, 1894 ... | 56,220 | 4·25 | 52,579 | ... | 52,579 | 1,166 | 51,413 | 2,246 | ... |
| 17. Madura do. ... | For water-supply, 1893 ... | 1,64,000 | 4·25 | 1,52,052 | ... | 1,52,052 | 3,312 | 1,48,740 | 6,462 | ... |
| 18. Wellington Cantonment Committee. | For water-supply, 1892 ... | 2,000 | 4·25 | 1,200 | ... | 1,200 | 1,200 | ... | 55 | ... |
| 19. Port Trust (Madras Harbour works). | For expenditure on Madras Harbour works ... ... | ... | 4·50 | 48,79,226 | ... | 48,79,226 | 1,00,000 | 47,79,226 | 2,19,565 | ... |
| 20. Saidapet Local Fund Board. | For constructing an iron girder bridge across the Korttalaiyár, 1873-76 .. | 1,99,790 | 4·50 | 7,460 | ... | 7,460 | 7,460 | ... | 145 | ... |
| 21. Tellicherry do. ... | For completing the Periya ghát road and constructing a fair-weather road in Wynaad, 1875 ... ... | 60,000 | 4·50 | 3,311 | ... | 3,311 | ... | 3,311 | 132 | ... |
| 22. Shúlagiri Estate .. | For liquidation of debts, 1881-82 ... ... ... | 35,000 | 5·00 | 4,002 | ... | 4,002 | 3,300 | 702 | 200 | ... |
| 23. Ganjám Local Fund Board. | For Railway feeder roads, 1896 ... .. ... ... | 5,000 | 4·25 | 2,500 | ... | 2,500 | ... | 2,500 | 106 | ... |
| 24. Conjeeveram municipality. | For water-supply, 1895 ... | 1,28,500 | 4·25 | 1,26,068 | ... | 1,26,068 | 2,301 | 1,23,767 | 5,358 | ... |
| 25. Dindigul do. ... | For water-supply, 1895 ... | 33,000 | 4·25 | 31,847 | ... | 31,847 | 614 | 31,233 | 1,354 | ... |
| 26. Madura do. ... | For water-supply, 1896 ... | 31,500 | 4·25 | 30,455 | ... | 30,455 | 583 | 29,872 | 1,294 | ... |
| 27. Trichinopoly do. ... | For water-supply, 1895 ... | 32,000 | 4·25 | 29,866 | ... | 29,866 | 1,066 | 28,800 | 1,269 | ... |
| 28. Cocanada do. ... | For water-supply ... ... | 1,18,100 | 4·25 | 1,14,481 | ... | 1,14,481 | 2,136 | 1,12,345 | 4,908 | ... |
| 29. Kurnool do. ... | For market ... .. ..: | 5,000 | 4·25 | 4,500 | ... | 4,500 | 500 | 4,000 | 194 | ... |
| 30. Do. do. ... | For water-works ... ... | 3,630 | 4·25 | 3,541 | ... | | 66 | 3,475 | 151 | ... |
| 31. Ootacamund do. ... | For sanitary works ... ... | 10,000 | 4·25 | 9,000 | ... | | 1,000 | 8,000 | 382 | ... |
| 32. Tirupati do. ... | For water-supply ... ... | 59,000 | 4·25 | 59,000 | ... | 59,000 | ... | 59,000 | 1,255 | 1,254 |
| 33. Anakapalle do. ... | For construction of office buildings ... ... ... | 3,000 | 4·25 | 2,725 | ... | 2,725 | 258 | 2,467 | 116 | ... |
| 34. Vizagapatam do. ... | For water-works ... ... | 2,10,500 | 4·25 | 2,10,500 | ... | 2,10,500 | 3,599 | 2,06,901 | 8,956 | ... |
| 35. Calicut do. ... | For Mapilla Burial-ground. | 9,580 | 4·00 | 9,580 | ... | 9,580 | 958 | 8,622 | 305 | ... |
| 36. Kurnool do. ... | For water-works ... ... | 6,070 | 4·00 | 6,070 | ... | 6,070 | 303 | 5,767 | 243 | ... |
| 37. Madras do. ... | ..... | 2,00,000 | 4·00 | ... | 2,00,000 | 2,00,000 | ... | 2,00,000 | ... | ... |
| | Total ... | ... | ... | 76,32,725 | 2,00,000 | 78,32,725 | 1,50,191 | 76,82,534 | 3,31,731 | 1,254 |

There were no fresh loans granted during the year except a temporary loan of 2 lakhs to the Madras Municipality in January 1899, which was repaid in April 1899. But as the advance and the repayment took place in two different official years, the loan in question increased the outstandings on the 31st March 1899. On the other hand, the repayments amounted in the aggregate to Rs. 1,50,191, so that the outstandings which stood at Rs. 76,32,725 on 1st April 1898 were raised to Rs. 76,82,534 only on the 31st March 1899. Of the repayments, Rs. 1,00,000 was as usual made by the Madras Harbour Trust Board. The entire balance of the loan of Rs. 2,000 granted to the Wellington Cantonment Committee in 1892 was paid up in the year under report. Rs. 7,460, the balance of the large loan of Rs. 1,99,790 to the District Board, Saidapet, were also fully paid up. But the District Boards of Ganjám and Tellicherry did not make their usual repayments nor did the Tirupati Municipality. The latter failed to pay the interest also. The loans outstanding at the close of the year may be summarized as follows :—

| | Rs. |
|---|---|
| (i) Madras Municipality ... ... ... ... ... ... ... ... | 14,30,000 |
| (ii) Other municipalities ... ... ... ... ... ... ... ... | 14,66,795 |
| (iii) Madras Harbour Trust Board .. ... .. ... ... ... ... | 47,79,226 |
| (iv) District Board, Tellicherry ... ... ... ... ... ... ... ... | 3,311 |
| (v) District Board, Ganjám .. ... .. ... ... .. ... ... | 2,500 |
| (vi) Shúlagiri Estate ... ... ... ... ... ... ... ... ... | 702 |
| Total ... | 76,82,534 |

The Sinking Fund instituted in connection with the loan of Rs. 14,30,000 to the Madras Municipality held Government securities to the value of Rs. 8,52,200 on the 31st March 1899.

# CHAPTER VI.

## VITAL STATISTICS AND MEDICAL SERVICES.

### SANITARY STATISTICS—GENERAL. (1898.)

Registration of births.

THE population of the Madras Presidency, according to the last census (1891), was, inclusive of Europeans and Eurasians, 35,641,828. The estimated population for 1898 was 37,715,417. The census population for which returns of vital registration were received, amounted to 33,288,122, or 93·4 per cent. of the total, an increase of 649,879 compared with the previous year. The number of births registered during the year was 911,742 or 27·4 per mille of the census population against 935,845 or 28·7 per mille in the previous year, the rates for the urban and rural areas being 33·0 and 26·9 against 32·7 and 28·4, respectively, in that year. The decrease in the total number of births was due partly to marriages having been as far as possible deferred during the past three years in consequence of the expectation of "evil times" by the native population, and partly to the prevalence of famine in Bellary, Kurnool, Cuddapah, Ganjám and Vizagapatam, and to defective registration chiefly in Madura. Excluding Madras, the highest birth-rate was recorded in the Chingleput district (35·7 per mille) and the results were also fair in Kistna, Salem, Tanjore, Tinnevelly and Trichinopoly, the rate being more than 30 per mille. The lowest rates were recorded in Malabar (18·6), Madura (22·7) and Ganjám (22·9). Amongst municipalities, Vániyambádi headed the list with a rate of 54·5 and the rate exceeded 40 per mille in Guntúr, Cuddalore, Tiruvannámalai, Periyakulam, Adóni, Gudiyáttam, Tirupattúr, Coimbatore, Erode, Karúr and Palghat. In 31 towns it ranged between 40 and 30 and in 14 others between 30 and 20, while in Cuddapah, it was only 17·6 per mille against 27·1 in the previous year. Compulsory registration of births and deaths was resorted to in only 38 out of the 58 municipalities in the Presidency. Births of boys to girls were in the proportion of 104·3 to 100 girls against 103·9 to 100 of the previous year.

Registration of deaths.

The total number of deaths registered in 1898 was 699,108 or 128,417 less than in the previous year, the decrease occurring chiefly in Ganjám and Malabar, giving a death-rate of 21 per mille of the census population against 25·4 in 1897. The mortality among infants under one year of age in the rural tracts was 163·3 per mille of the registered births of the year or 1·2 per mille less than in the previous year, but the rate for municipalities rose from 223·1 to 229·5. Infantile mortality was very high in the City of Madras (297·7) and in the Nilgiris (257·3), while in 27 municipal towns it was more than 200 per mille. The highest district mortality (excluding Madras where the death-rate was 45·2) was recorded in the Nilgiris (30·9). Tanjore showed 25·9, Trichinopoly and South Canara each 24·6 per mille. The death-rate registered in rural villages was 20·3 per mille against 24·8 in the previous year and was probably due to defective registration. It was highest in the Nilgiris (29·2) and was above 20 per mille in eleven other districts, while in the remaining ones it was below 20, being lowest in Madura (14·8). The rates for rural towns with a population of over 10,000 inhabitants ranged between 33·7 in Tiruválúr and 8·1 in Samalkot. The average rate for municipalities, where, as a rule, more trustworthy statistics are obtained, was 31·9 per mille or 1·4 less than in the previous year, while the individual rate varied from 39·3 per mille in Ootacamund and Guntúr to 18·9 in Dindigul. In 16 other towns rates above 30 and in 37 others, rates above 20 were recorded, while in Srívilliputtúr and Bimlipatam the mortality was 19·6 and 19 per mille, respectively.

Principal diseases.

The annexed statement exhibits the number of deaths per mille of the population from the chief diseases prevalent during the year as compared with the figures of the preceding five years :—

| | 1893. | 1894. | 1895. | 1896. | 1897. | 1898. |
|---|---|---|---|---|---|---|
| Cholera ... ... ... ... ... | 1·0 | 1·3 | 0·6 | 1·5 | 4·4 | 2·0 |
| Small-pox .. ... ... ... . ... | 0·8 | 0·3 | 0·1 | 0·3 | 0·7 | 0·6 |
| Fevers . . .. ... ... | 7·7 | 8·0 | 8·3 | 8·0 | 9·0 | 7·5 |
| Dysentery and diarrhœa . ... ... ... | 0·7 | 0·7 | 0·7 | 0·7 | 1·2 | 0·9 |
| Injuries ... ... ... ... ... ... | 0·3 | 0·4 | 0·3 | 0·3 | 0·3 | 0·3 |
| Other causes .. ... ... ... ... | 8·8 | 9·3 | 9·6 | 9·8 | 9·8 | 9·7 |
| Total ... | 19·3 | 20·0 | 19·6 | 20·6 | 25·4 | 21·0 |

Cholera.

Cholera prevailed throughout the year, being very virulent in January and least so in October. It was felt most severely in Tanjore, Trichinopoly and South Arcot, which lost 6·7, 5·5 and 5·2 per mille, respectively, of the population. The average death-rate in municipal and other towns was 2·1 per mille against 5·0 in 1897 and in rural tracts 2·0 against 4·3. Sixteen of the municipalities enjoyed perfect immunity from this disease.

Small-pox.

The number of deaths from small-pox was 20,490 against 21,678 in the previous year. The rate of mortality in rural areas was 0·6 per mille and in municipalities 0·3 against 0·7 and 0·2, respectively, in 1897. Ganjám again suffered very severely from this disease, although the number of deaths fell from 14,515 or 12·2 per mille to 10,838 or 8·5 per mille. The death-rate was also high in Vizagapatam (0·8), Cuddapah (0·7) and the Nilgiris, Kurnool, Anantapur and North Arcot (0·6 each), while in Malabar, the lowest rate was recorded, namely, 0·04. Among district municipalities, the mortality from this cause was heaviest in Berhampur (6·1), Parlákimedi (5·0), Chicacole (2·9), Anantapur (2·0), and Tiruvannámalai (1·0). 19 towns against 25 in the previous year enjoyed perfect immunity from this disease.

Fevers.

The mortality from fevers fell from 292,292 to 248,638, the decrease which occurred chiefly in the districts which were affected by famine in the previous year being due apparently to better nutrition and better resistance to malaria on the part of the people. The mortality was high in Vizagapatam (15·1), Kurnool (14·8), Cuddapah (13·6) and Madras (12·4), and very low in Tanjore (1·5), Tinnevelly (2·6), Trichinopoly (3·6) and Chingleput (3·9). Among municipalities, 8 towns recorded a death-rate of more than 10 per mille.

Dysentery and diarrhœa.

The number of deaths from dysentery and diarrhœa fell from 38,716 to 29,654, the decrease being apparently due to improved dietary of the people following the reduction in the prices of grains. The mortality in rural areas was 0·7 per mille of the population against 3·5 in municipal and other towns. The district death-rates varied from 7·5 per mille in Madras to ·4 in Madura. Among district municipalities the mortality was high in Tuticorin (9·3), Cochin (7·5) and Chingleput (6·8), and low in Palni (0·05), Masulipatam (0·6), Cuddapah (0·7) and Tirupattúr (0·7).

Injuries, &c.

The deaths attributed to injuries, suicides, &c., numbered 11,047 against 11,583 in 1897, while those from unspecified causes rose from 322,137 to 323,835. There were 1,916 suicides, 6,910 deaths from wounds and accidents, and 2,221 deaths from snake-bite or from attacks by wild beasts.

Plague.

Cases of plague imported into this Presidency during the year came chiefly from the Mysore State. Up to the 31st March 1899, 382 such cases were imported into the villages of this Presidency. The necessary precautionary measures were promptly taken, and the spread of the disease was, as a rule, successfully prevented. This was particularly the case in the City of Madras, where there were only 17 imported seizures and not a single indigenous case. Plague in an indigenous form

first appeared at Guntakal in the Anantapur district in the beginning of August 1898, the probable source of infection being Hubli. From Guntakal, the disease spread to the northern parts of the Anantapur district and to the districts of Bellary and Kurnool. The epidemic was then rapidly extending in Mysore and the districts of Salem and North Arcot and the southern parts of the Anantapur district, which were nearest to the infected portion of that province, were attacked in December 1898. The plague was at its highest in the week ending 11th February 1899, when the number of attacks was 263, and the number of places infected 50. It began to fall gradually at the approach of the hot weather, and about the end of March it was practically extinct in the Deccan districts. The situation was then improving in Salem, but was not encouraging in the North Arcot district, where 5 large places were still infected. There were 2,075 seizures and 1,681 deaths due to indigenous plague during the year. In addition to several special officers appointed to assist the district authorities in plague matters, a Plague Commissioner was appointed on the 27th September 1898 to supervise all plague operations in the Presidency. The measures prescribed for the suppression of plague described in the Madras Plague Regulations and Rules were generally carried out intelligently and well. The most important and effective of these measures were :—(1) the entire evacuation of the infected locality at an early stage of the epidemic; (2) the removal of the people of the infected locality to temporary shelter in the open air and the stoppage of all direct communication between them and their houses and the surrounding healthy villages untill the disease had abated; and (3) the thorough disinfection of houses by means of sepoys or trained coolies under efficient supervision. The total expenditure on account of plague measures during the year was Rs. 9,85,410, of which Rs. 4,05,014 was debitable to Provincial funds, Rs. 3,26,849 to Local, and Rs. 2,53,547 to Municipal funds.

## SANITARY STATISTICS—MUNICIPALITIES. (1898.)

The number of district municipalities was 58 as in the previous year. A decided advance was made in the matter of night-soil conservancy as shown by the employment of a larger staff for public and private scavengering, and by an increase in public latrine accommodation and in the number of night-soil carts. Sewage farming was practised in Madras, Erode, Tanjore, Anakapalle and Vizagapatam. Sewage filtration was conducted at Vizianagram, Vizagapatam, Kumbakónam, Bezwada, Negapatam, Rajahmundry and Bellary. In Madras City an underground sewerage system was completed in Mylapore. The total estimated income of the mufassal municipalities was Rs. 29,56,220, of which Rs. 7,10,095 was allotted for conservancy and Rs. 4,67,094 for water-supply. The corresponding figures for 1897 were, respectively, Rs. 33,28,120, Rs. 6,50,524 and Rs. 9,48,885. The following statement compares the expenditure for the full year 1897–98 with that incurred during the first nine months of 1898–99 under each item of sanitation :—

| — | 1897–98. | | Rate per cent. of expenditure to total allotment. | 1898–99. | | Rate per cent. of expenditure to total allotment. |
|---|---|---|---|---|---|---|
| | Amount sanctioned. | Amount expended. | | Amount sanctioned. | Amount expended during the nine months ending December 1898. | |
| | RS. | RS. | | RS. | RS. | |
| For conservancy ... ... ... | 6,47,324 | 6,27,947 | 97·0 | 7,10,095 | 4,98,175 | 70·2 |
| For improvement of village or town sites ... ... ... | 2,83,930 | 2,45,734 | 86·5 | 2,39,254 | 1,52,042 | 63·5 |
| For improvement of water-supply, cleansing, repairing and construction of tanks and wells ... | 9,75,921 | 4,98,620 | 51·0 | 4,67,094 | 1,20,315 | 25·8 |
| For sanitary arrangements during fairs and festivals ... ... | 13,411 | 11,923 | 88·9 | 13,490 | 7,480 | 55·4 |
| For construction and repair of markets and slaughter-houses ... | 39,684 | 23,561 | 59·4 | 19,545 | 8,249 | 42·2 |
| For other sanitary outlay ... | 1,19,889 | 1,07,783 | 89·9 | 1,22,062 | 58,670 | 48·0 |
| Total ... | 20,80,159 | 15,15,568 | 72·9 | 15,71,540 | 8,44,931 | 53·8 |

Details for each municipality are appended :—

| Municipalities. | Population as per census of 1891. | Estimated income, 1898-99. | Rate per cent. of sanitary allotment to estimated income. | Rate per cent. of sanitary expenditure to amount sanctioned. | 1898-99. Sanitary allotment. | Expenditure during the 9 months ending December 1898. | Conservancy. Allotment. | Expenditure. | Improvement of village sites. Allotment. | Expenditure. | Improvement of water-supply, including cleansing, repairing, &c. Allotment. | Expenditure. | Sanitary arrangements during fairs and festivals. Allotment. | Expenditure. | Construction and repair of markets and slaughter-houses. Allotment. | Expenditure. | Other sanitary objects, including construction and repair of tanks. Allotment. | Expenditure. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. | | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Anantapur | 6,973 | 20,840 | 21·0 | 58·9 | 4,700 | 2,586 | 2,930 | 2,409 | 750 | 165 | 110 | 8 | ... | ... | ... | ... | 600 | 9 |
| Adoni | 26,216 | 36,010 | 41·3 | 72·9 | 14,880 | 10,551 | 12,680 | 9,604 | 1,000 | 361 | 900 | 876 | ... | ... | ... | ... | 300 | 10 |
| Bellary | 37,780 | 78,380 | 54·6 | 61·2 | 43,110 | 26,396 | 37,760 | 25,043 | 3,500 | 1,023 | 1,610 | 294 | ... | ... | 100 | 23 | 200 | 13 |
| Chingleput | 9,763 | 13,780 | 35·1 | 73·3 | 4,840 | 3,550 | 2,700 | 1,830 | 1,900 | 1,529 | 240 | 191 | ... | ... | ... | ... | ... | ... |
| Conjeeveram | 42,543 | 54,020 | 150·0 | 71·8 | 79,580 | 57,164 | 13,580 | 7,934 | 4,350 | 1,575 | 58,010 | 44,955 | 2,610 | 2,500 | 250 | ... | 780 | 200 |
| Coimbatore | 46,097 | 50,920 | 42·9 | 92·8 | 21,850 | 20,276 | 15,330 | 12,811 | 4,950 | 3,840 | 750 | 868 | ... | ... | 70 | 108 | 750 | 2,649 |
| Erode | 12,248 | 17,960 | 23·7 | 99·1 | 4,260 | 3,840 | 3,550 | 3,473 | 50 | 28 | 320 | 141 | 50 | 56 | 100 | 18 | 190 | 124 |
| Karur | 10,749 | 19,330 | 36·1 | 77·7 | 6,980 | 5,427 | 4,980 | 3,904 | 1,890 | 1,310 | 100 | 36 | ... | ... | ... | 98 | 100 | 79 |
| Cuddapah | 17,211 | 46,300 | 26·2 | 106·4 | 12,130 | 12,911 | 8,410 | 9,273 | ... | ... | 3,520 | 3,605 | ... | ... | 200 | ... | ... | 33 |
| Berhampur | 25,493 | 29,960 | 40·5 | 70·5 | 12,100 | 8,533 | 7,530 | 5,866 | 2,750 | 1,901 | 1,220 | 594 | ... | 3 | 40 | 14 | 560 | 155 |
| Chicacole | 18,204 | 28,500 | 27·0 | 67·9 | 7,710 | 5,241 | 5,030 | 3,156 | 2,150 | 1,739 | 230 | 170 | ... | ... | 100 | 176 | 200 | ... |
| Parlakimedi | 16,379 | 18,820 | 21·6 | 71·2 | 2,990 | 2,128 | 2,450 | 1,874 | ... | ... | 170 | 123 | ... | ... | 250 | 10 | 120 | 121 |
| Cocanada | 40,068 | 1,14,550 | 27·3 | 87·4 | 31,310 | 27,515 | 18,870 | 15,892 | 9,200 | 9,021 | 1,760 | 1,416 | ... | ... | ... | ... | 1,480 | 1,186 |
| Ellore | 29,296 | 37,900 | 42·2 | 90·0 | 16,010 | 9,611 | 10,110 | 6,445 | 3,100 | 2,380 | 500 | 53 | ... | ... | 400 | 8 | 1,900 | 725 |
| Rajahmundry | 28,379 | 41,150 | 46·9 | 64·2 | 19,301 | 12,391 | 13,250 | 9,659 | 3,680 | 1,076 | 421 | 236 | ... | ... | 1,950 | 1,153 | ... | 287 |
| Bezwada | 20,611 | 42,810 | 36·7 | 69·3 | 15,750 | 9,489 | 10,740 | 7,240 | 3,840 | 1,830 | 170 | 110 | 80 | ... | 100 | 70 | 800 | 230 |
| Guntur | 23,267 | 50,730 | 45·0 | 77·2 | 22,830 | 17,625 | 12,870 | 10,059 | 7,000 | 5,188 | 1,860 | 1,672 | ... | ... | 800 | 461 | 300 | 245 |
| Masulipatam | 38,667 | 60,430 | 48·8 | 58·6 | 29,500 | 17,294 | 18,390 | 11,412 | 8,000 | 3,558 | 1,360 | 1,309 | ... | ... | 100 | 25 | 9,650 | 990 |
| Kurnool | 24,306 | 45,480 | 26·1 | 103·9 | 11,890 | 12,353 | 8,500 | 9,705 | 2,000 | 1,445 | 300 | 46 | ... | ... | 1,005 | 1,073 | 85 | 84 |
| Dindigul | 20,115 | 32,430 | 118·8 | 20·9 | 38,620 | 8,061 | 7,300 | 4,735 | 3,590 | 1,577 | 25,610 | 1,435 | ... | 15 | 250 | 72 | 1,870 | 227 |
| Madura | 87,121 | 1,68,440 | 37·1 | 64·1 | 62,510 | 40,104 | 37,200 | 28,793 | 14,000 | 6,562 | 4,510 | 1,750 | 2,500 | 1,208 | 300 | ... | 4,000 | 1,791 |
| Palni | 16,940 | 14,540 | 53·1 | 39·4 | 7,730 | 3,050 | 5,780 | 2,488 | 1,000 | 318 | 200 | 182 | 100 | 31 | 50 | 31 | ... | ... |
| Periyakulam | 16,363 | 13,840 | 62·0 | 56·8 | 8,580 | 4,879 | 5,360 | 3,089 | 2,810 | 1,700 | 210 | 90 | ... | ... | ... | ... | 200 | ... |
| Calicut | 64,798 | 71,150 | 34·0 | 70·6 | 24,230 | 17,106 | 15,730 | 10,658 | 8,590 | 6,333 | ... | 115 | ... | ... | ... | ... | ... | ... |
| Cannanore | 26,653 | 30,040 | 42·0 | 68·8 | 12,635 | 8,696 | 9,650 | 6,379 | 1,550 | 1,209 | 200 | 123 | ... | ... | 195 | 158 | 1,040 | 827 |
| Cochin | 16,147 | 22,530 | 43·2 | 63·9 | 9,740 | 6,228 | 5,400 | 4,318 | 2,270 | 945 | 170 | 20 | ... | ... | 820 | 225 | 1,080 | 720 |
| Palghat | 35,367 | 65,790 | 29·2 | 54·5 | 19,228 | 10,476 | 12,550 | 5,815 | 6,040 | 4,372 | 100 | ... | 100 | 5 | 28 | ... | 410 | 284 |
| Tellicherry | 26,631 | 49,690 | 25·3 | 53·2 | 12,590 | 6,703 | 10,060 | 5,795 | 2,000 | 800 | 50 | ... | ... | ... | 50 | 24 | 430 | 84 |
| Nellore | 29,128 | 42,050 | 40·6 | 56·4 | 17,090 | 9,644 | 10,680 | 7,548 | 5,300 | 1,595 | 110 | 5 | ... | ... | ... | ... | 1,000 | 406 |
| Ongole | 10,832 | 13,560 | 51·7 | 54·7 | 7,012 | 3,836 | 4,310 | 2,479 | 1,534 | 854 | 500 | 323 | ... | ... | 40 | ... | 628 | 180 |
| Coonoor | 5,586 | 44,370 | 52·1 | 53·9 | 23,157 | 12,482 | 13,369 | 7,360 | 7,350 | 3,639 | 888 | 720 | ... | ... | 850 | 696 | 700 | 67 |
| Ootacamund | 13,991 | 1,48,770 | 75·2 | 75·0 | 1,11,905 | 83,937 | 37,230 | 23,478 | 20,100 | 14,546 | 14,030 | 12,693 | ... | ... | 1,015 | 305 | 39,530 | 32,915 |
| Gudiyáttam | 18,745 | 17,850 | 44·3 | 43·5 | 7,910 | 3,442 | 5,230 | 3,128 | 1,300 | 138 | 280 | 171 | 10 | 5 | 690 | ... | 400 | ... |
| Tirupati | 14,238 | 2,56,940 | 3·3 | 76·9 | 8,410 | 6,469 | 5,020 | 4,377 | 1,650 | 1,293 | 620 | 159 | 400 | 636 | 50 | 4 | 670 | ... |
| Vellore | 44,724 | 61,560 | 50·2 | 51·6 | 30,940 | 15,982 | 16,720 | 12,841 | 5,850 | 1,153 | 610 | 617 | ... | ... | 2,100 | 1 | 5,660 | 1,370 |
| Walajapet | 10,485 | 16,120 | 37·7 | 42·7 | 6,080 | 2,599 | 3,750 | 2,116 | 1,000 | ... | 320 | 383 | ... | ... | 200 | 100 | 810 | ... |
| Salem | 67,640 | 72,560 | 41·9 | 61·6 | 30,397 | 18,735 | 23,520 | 15,547 | 3,000 | 1,821 | 1,370 | 1,239 | ... | ... | 2,120 | .. | 387 | 128 |
| Tiruppattúr | 16,463 | 26,630 | 44·1 | 57·9 | 11,780 | 6,827 | 8,840 | 4,854 | 2,250 | 1,494 | 330 | 298 | ... | ... | 130 | 70 | 230 | 111 |
| Vániyambádi | 15,838 | 21,820 | 44·7 | 73·0 | 9,760 | 7,125 | 6,620 | 4,813 | 2,190 | 1,618 | 280 | 178 | ... | ... | 150 | 115 | 520 | 401 |
| Chidambaram | 19,634 | 22,470 | 47·3 | 73·7 | 10,642 | 7,845 | 6,202 | 3,808 | 2,800 | 2,833 | 890 | 555 | 750 | 236 | ... | 164 | ... | 249 |
| Cuddalore | 47,025 | 51,290 | 42·5 | 74·6 | 21,800 | 16,263 | 11,500 | 8,452 | 6,100 | 4,730 | 960 | 821 | 1,500 | 1,331 | 230 | 201 | 1,510 | 728 |
| Tiruvannámalai | 13,643 | 21,840 | 54·5 | 46·5 | 11,900 | 5,530 | 3,740 | 2,328 | 3,800 | 2,058 | 1,010 | 855 | 3,000 | 239 | ... | ... | 350 | 50 |
| Mangalore | 40,620 | 44,540 | 50·1 | 67·1 | 22,320 | 14,984 | 13,170 | 7,498 | 6,360 | 6,166 | 100 | 22 | ... | ... | 750 | 438 | 1,940 | 860 |
| Kumbakónam | 54,254 | 1,17,430 | 64·0 | 35·0 | 75,240 | 26,392 | 29,530 | 17,961 | 9,260 | 5,493 | 1,210 | 920 | 100 | ... | 600 | 604 | 34,540 | 1,414 |
| Mannárgudi | 20,392 | 24,240 | 42·5 | 65·8 | 10,310 | 6,790 | 6,430 | 4,118 | 2,600 | 1,907 | 430 | 344 | 550 | 263 | 300 | 158 | ... | ... |
| Máyavaram | 23,754 | 35,810 | 39·9 | 76·3 | 14,310 | 10,920 | 9,290 | 6,221 | 2,800 | 2,599 | 970 | 859 | 150 | 181 | 30 | ... | 1,070 | 1,060 |
| Negapatam | 58,573 | 78,640 | 48·7 | 71·7 | 38,270 | 27,452 | 25,620 | 18,519 | 10,270 | 7,258 | 1,980 | 1,461 | 300 | 127 | ... | ... | 100 | 87 |
| Tanjore | 54,258 | 1,10,860 | 67·5 | 43·0 | 74,850 | 32,180 | 24,210 | 17,110 | 500 | 480 | 47,240 | 13,570 | ... | ... | 600 | 220 | 2,300 | 800 |
| Palamcottah | 18,612 | 24,430 | 39·3 | 66·7 | 9,600 | 6,405 | 8,340 | 5,142 | 900 | 985 | 140 | 110 | ... | ... | 120 | 109 | 100 | 59 |
| Srivilliputtur | 29,541 | 30,440 | 26·7 | 57·9 | 8,140 | 4,719 | 6,010 | 3,712 | 1,410 | 670 | 380 | 87 | 190 | 147 | ... | ... | 150 | 103 |
| Tinnevelly | 24,756 | 29,010 | 57·9 | 69·3 | 16,797 | 11,629 | 10,524 | 6,891 | 3,900 | 2,841 | 549 | 460 | 50 | 5 | 692 | 554 | 1,082 | 878 |
| Tuticorin | 24,964 | 40,100 | 52·9 | 78·5 | 21,206 | 16,052 | 13,870 | 10,665 | 5,950 | 3,959 | 1,286 | 1,216 | ... | ... | 50 | 10 | 50 | 802 |
| Srirangam | 21,632 | 26,480 | 48·5 | 66·5 | 12,850 | 8,546 | 9,310 | 6,310 | 2,150 | 1,555 | 240 | 97 | 1,050 | 492 | ... | ... | 100 | 92 |
| Trichinopoly | 89,666 | 1,43,100 | 55·1 | 87·1 | 78,920 | 68,763 | 42,270 | 36,034 | 12,000 | 10,643 | 21,800 | 20,774 | ... | ... | 1,250 | 686 | 1,600 | 626 |
| Anakápalle | 17,001 | 15,770 | 46·8 | 64·6 | 7,390 | 4,775 | 5,120 | 3,452 | 1,800 | 1,118 | 120 | 89 | ... | ... | ... | ... | 350 | 116 |
| Bimlipatam | 9,696 | 13,730 | 36·4 | 54·0 | 5,000 | 2,703 | 3,300 | 2,609 | 1,250 | 1 | .. | 4 | ... | ... | ... | ... | 450 | 89 |
| Vizagapatam | 33,961 | 1,02,030 | 286·8 | 6·3 | 2,92,660 | 18,520 | 17,900 | 11,900 | 7,000 | 4,220 | 2,62,730 | 423 | ... | ... | 300 | 12 | 4,730 | 1,965 |
| Vizianagram | 30,735 | 30,800 | 57·2 | 69·8 | 17,630 | 12,310 | 9,830 | 7,245 | 4,500 | 2,595 | 1,120 | 444 | .. | ... | 120 | 55 | 2,060 | 971 |
| **Total for 1898** | 1,687,563 | 29,56,220 | 53·2 | 53·8 | 15,71,540 | 8,44,931 | 7,10,095 | 4,98,175 | 2,39,254 | 1,52,042 | 4,67,094 | 1,20,315 | 13,490 | 7,480 | 19,545 | 8,249 | 1,22,062 | 58,670 |
| **Total for 1897** | 1,687,563 | 33,28,120 | 63·6 | 55·4 | 20,52,273 | 11,37,397 | 6,50,524 | 4,63,361 | 2,78,375 | 1,63,353 | 9,48,885 | 4,07,095 | 13,760 | 10,085 | 40,111 | 13,766 | 1,20,618 | 79,237 |
| **Madras City** | 436,375 | 13,48,150 | 62·6 | 63·9 | 8,44,481 | 5,39,451 | 4,45,990 | 2,96,000 | 72,262 | 52,941 | 53,864 | 13,303 | 140 | 104 | 80,770 | 28,492 | 1,91,455 | 1,48,611 |

## SANITARY STATISTICS—DISTRICT CIRCLES. (1898.)

The number of district boards (21) remained unchanged. The necessity for husbanding funds for plague purposes resulted in a decrease in the allotments for sanitary purposes of a routine nature. Out of an aggregate of 47,703 villages, there were 383 unions and 444 villages conserved against 377 and 469, respectively, in the previous year. Village Sanitary Inspection Report books were completely or partially introduced in the unions of all districts, except Malabar, South Canara, Gódávari and Anantapur. The total estimated income of the district boards was Rs. 79,62,700 against Rs. 79,10,730, and of this Rs. 6,57,396 or 8·3 per cent. was allotted for sanitary purposes against Rs. 6,63,259 or 8·4 per cent. in 1897. The following table compares the expenditure for the full year 1897–98 with that incurred during the first nine months of 1898–99 on sanitary and kindred objects :—

| | 1897-98. | | | 1898-99 | | |
|---|---|---|---|---|---|---|
| | Amount sanctioned. | Amount expended. | Rate per cent. of expenditure to total allotment. | Amount sanctioned. | Amount expended during nine months ending December 1898. | Rate per cent. of expenditure to total amount. |
| | Rs. | Rs. | | Rs. | Rs. | |
| For conservancy .. ... ... | 3,49,406 | 3,10,256 | 88·8 | 3,48,870 | 2,49,164 | 71·4 |
| For improvement of village or town sites ... .. ... .. ... | 78,504 | 36,216 | 46·1 | 75,110 | 26,956 | 35·9 |
| For improvement of water-supply, cleansing, repairing and construction of tanks and wells .. ... ... | 1,51,421 | 1,17,178 | 77·4 | 1,32,211 | 55,547 | 42·0 |
| For sanitary arrangements during fairs and festivals ... ... ... .. | 17,838 | 16,616 | 93·1 | 16,798 | 8,988 | 53·5 |
| For construction and repair of markets and slaughter-houses ... .. | 65,449 | 43,318 | 66·2 | 52,950 | 19,120 | 36·1 |
| For other sanitary objects .. .. | 32,730 | 23,194 | 70·9 | 31,457 | 10,057 | 31·9 |
| Total ... | 6,95,348 | 5,46,778 | 78·6 | 6,57,396 | 3,69,832 | 56·2 |

## SANITARY ENGINEERING. (1898.)

The Sanitary Engineer visited 15 towns and the Assistant Sanitary Engineer 12 against 10 and 8, respectively, in 1897. Some of these towns were visited more than once. During the year, surveys for water-supply were completed for 3 municipalities and were in progress in 1 municipality and in 1 taluk board (Chatrapur) as against 2 and 1, respectively, in 1897, and additional levels for a water-supply were taken in 1 municipality against 2 in the previous year. Estimates for water-supply schemes for Vizianagram and Bezwada amounting to Rs. 2,82,000 and Rs. 3,75,400, respectively, and for an extension of the works at Tanjore amounting to Rs. 27,000 were submitted to the Sanitary Board during the year. The estimate for the drainage of Putnool block at Kumbakónam was revised and submitted to the Sanitary Board. Preliminary reports and alternative estimates amounting to Rs. 3,56,000 and Rs. 1,55,000 for the water-supply of Tiruvannámalai and an estimate amounting to Rs. 5,820 for the extension of water-supply at Kurnool were submitted to Government during the year. Schemes for improving the water-supply of Ootacamund, for the extension of water works at Tanjore and for the drainage of the Tanjore Fort were sanctioned for execution during the year—the first and the third by the Public Works Department and the second by the Sanitary Engineering Department. The construction of the additional works at Conjeeveram, viz., the fencing of the pumping station, the construction of a service reservoir and the extension of the pipe lines, was nearly completed during the year. Alternative schemes for a water-supply to Pudukkóttai—one a pumping scheme costing Rs. 46,300, the other a gravitation scheme costing Rs. 77,700,—were prepared by the Assistant Sanitary Engineer and submitted to the Political Agent for Pudukkóttai. Proposals for the protection of the Secretariat buildings in the fort from fire were made at an estimated cost of Rs. 3,360, and copies of town plans showing pipe lines and fountains in the municipalities of Madura, Dindigul, Tanjore, Trichinopoly, Ádóni, Kurnool, Conjeeveram and Cuddapah were furnished during the year. Advice was given to the Sanitary Board in respect to 24 municipalities and 48 local fund schemes. 13 type-designs for various sanitary works were prepared during the year and were approved of by the Sanitary Board, and 20 others for hospital buildings prepared by the Consulting Architect to Government were also issued by the Sanitary Board.

Maintenance of water-works.

During the year the Sanitary Engineer inspected the Trichinopoly water-works and Assistant Sanitary Engineer inspected those of Madura, Dindigul and Tanjore. The Inspector of Steam-boilers and Prime-movers visited the pumping stations at Kurnool, Conjeeveram, Dindigul, Trichinopoly, Cuddapah, Tanjore and Madura and made a complete inspection of the whole of the engines, boilers and pumps.

## VACCINATION. (1898–99.)

One Deputy Inspector of Vaccination of the second class was added to the establishment, making a total of 61 against 60, while the number of vaccinators and probationers was 684 and 144, respectively, against 668 and 152 in the previous year. The number of primary vaccination declined from 1,189,146 cases to 1,039,713, and that of revaccination from 82,583 to 78,280. The decrease occurred mainly in local fund and municipal areas, being due to a widespread plague inoculation scare which sprang up some time ago all over the Presidency and continued during the greater part of the year. The ratio of successful primary and secondary vaccinations to the total number of such operations declined from 92·0 to 89·5, while the average cost of a successful case rose from As. 3-6 to As. 4–1. Excluding the figures relating to the cantonments of Bangalore and Secunderabad, the total number of persons vaccinated during the year was 31·2 per mille of the population against 35·5 in the previous year, and the number of children under one year successfully vaccinated was 280,354 against 328,515, being 29·6 per cent. of the births registered during the year against 36 per cent. in 1897–98. The work of the Government vaccinators in the Agency tracts showed an improvement, the total number of operations performed by them being 40,513 against 31,728 in 1897–98. There was a decrease of 155,425 in the number of operations performed in local fund areas, and the average outturn of work for each vaccinator also fell from 1,581 to 1,369. The decrease in the total number occurred in all the districts except Malabar, Tanjore and Vizagapatam, the short work being attributed chiefly to the plague inoculation scare. There was a satisfactory increase in Vizagapatam where the heaviest fall occurred in 1897–98. The average outturn of work for each vaccinator was highest in Vizagapatam (2,071), and it was more than 1,500 cases in six districts.* Compared with the previous year, there was a heavy fall from 2,160 to 1,145 in Trichinopoly, which was due to the suspension of vaccination for some time in consequence of the plague inoculation scare. The quality of the work turned out showed a general decline, ten districts having exhibited lower figures than in the previous year and the total proportion of success having fallen from 91·4 to 88·5 per cent.; but this was probably due to more accurate returns. The average cost of each successful case (in local fund areas) rose from As. 3–4 to As. 3–11. The total number of operations performed by the municipal vaccinators fell from 127,724 to 118,140, the decrease being most marked in Madras (4,896), Trichinopoly (2,847), Calicut (1,123), Berhampur (959) and Coimbatore (566). In Tellicherry there has been a retrogression for five years in succession, and in Calicut, Masulipatam and Anakápalle for three years. On the other hand, there was an increase in 27 towns, which was conspicuous in Negapatam (1,040), in Cocanada (987) and in Guntúr (654). The proportion of infants successfully vaccinated to the registered births of the year fell from 84·0 to 74·7 per cent. The average outturn of work by each vaccinator was 1,064 against 1,369 in local fund areas; it exceeded 1,000 cases in 25 towns against 29 in the previous year. It was high in Cocanada (2,864) and low in Cuddapah (272). The average cost of each successful operation by municipal vaccinators rose from As. 4–9 to As. 5 and compared unfavourably with that in local fund areas, where it was only As. 3–11. As in the previous year, all the operations were performed with animal lymph, calf-to-arm vaccination (97·2) giving the best result and glycerine lymph the worst (82·8). The number of cases verified by Deputy Inspectors rose from 627,276 to 634,473. Six of these officers, against 12 in the previous year, failed to verify 50 per cent. of the operations, while 6 verified over 80 per cent. The District Medical and Sanitary Officers inspected 32,960 cases against 31,138 in the previous year, the percentage of verification to the total number of operations rising from 2·5 to 3·0. In Coimbatore and Vizagapatam, the District Medical officers did not verify any case. The Inspector of Vaccination and Deputy Sanitary Commissioner was on other duty at Bombay or elsewhere for nearly the whole of the year and was not, therefore, able to verify any cases. There were 12,173 deaths from small-pox, or 11,786 less than in the previous year, the majority of cases occurring in Ganjám and Malabar. The total expenditure of the department fell from Rs. 2,59,182 to Rs. 2,49,520. During the year 2 Deputy Inspectors retired from service, 2 deputies were suspended for three months each, 3 deputies were dismissed and 8 others fined.

## MEDICAL RELIEF.

(a) Civil hospitals and dispensaries (1898).

The number of civil hospitals and dispensaries working at the close of the year was 472 against 470 at the close of 1897. The subjoined statement shows the results of their working and the expenditure incurred on their upkeep during the last three years:—

| Year. | Number treated. | | | Ratio per cent. of women to men. | Mortality among in-patients. | Accommodation. | | | Surgical operations. | Diets | | Gross expenditure. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | In. | Out. | Total. | | | Number of beds available. | Average daily sick. | Percentage of beds occupied. | | Cost per patient per diem. | Total cost of diets. | |
| | | | | | | | | | | A. P. | Rs. | Rs. |
| 1896 ... | 39,020 | 4,003,513 | 4,042,533 | 44·62 | 6·41 | 3,168 | 1,665 | 52·56 | 143,770 | 1 11 | 73,872 | 10,07,047 |
| 1897 ... | 44,222 | 4,048,329 | 4,092,551 | 43·66 | 8·04 | 3,177 | 1,812 | 57·03 | 150,766 | 2 0½ | 85,479 | 10,49,605 |
| 1898 ... | 41,660 | 4,025,451 | 4,067,111 | 43·81 | 7·11 | 3,254 | 1,804 | 55·43 | 147,011 | 2 1 | 86,378 | 10,22,156 |

The number of patients treated declined from 4,092,551 to 4,067,111; 41,660 were treated as in-patients—a decrease of 2,562 as compared with the previous year. Of these, 25,298 or 60·72 per cent. were cured, 8,824 (21·18 per cent.) relieved, 3,023 (7·25 per cent.) discharged and 2,963 (7·11 per cent.) died, the corresponding percentages for 1897 being, respectively, 60·41, 20·45, 8·24 and 8·04. Excluding cases admitted moribund, the ratio of deaths to total treated was 5·44 per cent. against 5·63 and 4·57 in 1897 and 1896. The largest number of cases treated were for ulcers and skin diseases (857,557), diseases of the digestive system (601,142), malarial fever (419,530), eye affections (411,216) and worms (244,899). 144,733 patients were operated on, of whom 136,295 were cured, 7,723 relieved and 216 died. The total income decreased from Rs. 10,49,605 to Rs. 10,24,440, of which Government contributed Rs. 87,488, local funds Rs. 6,48,448, Municipal Funds Rs. 2,12,597, and subscriptions, paying patients and miscellaneous receipts Rs. 35,893, Rs. 2,960 and Rs. 5,924, respectively. The chief items of expenditure were establishment (Rs. 5,97,988) and European medicines (Rs. 1,71,699).

(b) Presidency town hospitals (1898).

The following table compares the work of these institutions—14 in all—in the year with the two preceding years:—

| Year. | Number of patients treated. | | Total. | Average daily attendance. | | Total. | Percentage of mortality among in-patients. | Number of surgical operations. | Cost of diet. | Total gross expenditure. |
|---|---|---|---|---|---|---|---|---|---|---|
| | In. | Out. | | In. | Out. | | | | | |
| | | | | | | | | | Rs. | Rs. |
| 1896 ... | 17,605 | 186,249 | 203,854 | 974·91 | 1,220·47 | 2,195·38 | 5·24 | 27,903 | 96,449 | 4,22,314 |
| 1897 ... | 18,908 | 198,809 | 217,717 | 1,025·34 | 1,304·14 | 2,329·48 | 6·05 | 31,794 | 1,01,072 | 4,15,255 |
| 1898 ... | 18,584 | 183,880 | 202,464 | 1,035·94 | 1,215·01 | 2,250·95 | 8·02 | 28,725 | 97,069 | 4,04,702 |

Of the in-patients 9,142 were cured, 4,040 relieved and 3,041 discharged: there were 1,491 deaths—8·02 per cent. of those treated against 6·05 in 1897. 28,725 operations were performed, of which 13,739 or 75·94 per cent. resulted in cure. The state of public health was not, on the whole, good. The chief diseases prevalent were diseases of the digestive system (15·09 per cent.), of the skin 10·45 and malarial fever 10·08. The death-rate per mille rose from 39·7 to 44·8. The total expenditure was Rs. 4,11,056, of which Rs. 2,93,929 was met by Government, Rs. 44,016 by municipal funds and Rs. 26,282 by subscriptions. Rs. 1,47,135 were spent on establishment, Rs. 97,069 on diet, Rs. 34,149 on European medicines, Rs. 22,209 on buildings and Rs. 91,708 on miscellaneous charges.

(c) Venereal disease (1898).

4,523 persons were treated in the various hospitals of the Presidency town for venereal diseases, 1,397 being in-patients. The chief diseases were syphilis (1,976) and gonorrhœa (1,667). In the Government Voluntary Venereal Hospital 599 patients were treated against 558 in 1897. The ratio per mille of such patients to the total Madras population was 10.

(d) Lunatic asylums (1898).

As in the previous year, there were three asylums working—at Madras, Vizagapatam and Calicut. Their population at the beginning of the year numbered 580, 134 were admitted, 91 discharged and 46 died, leaving 577 at the close of the year. The daily average rate of sick was 75·25 against 77·54, and the percentage of deaths to daily average strength 7·93 against 10·06. There were 32 deaths at

Madras, 6 at Vizagapatam and 8 at Calicut. 96 of those admitted were between the ages of 20 and 40 years and 28 between 40 and 60. 19 criminal lunatics were admitted against 30 in 1897. The total receipts during the year were Rs. 1,32,534—an increase of Rs. 25,575 over those of the previous year. The net expenditure rose from Rs. 80,734 to Rs. 80,942, and the total cost per head of average strength from Rs. 142-7-8 to Rs. 149-1-0.

(*e*) Police hospitals (1898).

There were 34 hospitals and 17 special wards for the Police force affording accommodation for 559 in-patients. The total number of patients treated in Police hospitals was 17,790, of whom 7,470 were in-patients; among those there were 32 deaths. The expenditure incurred was Rs. 24,115.

(*f*) Railway institutions, &c. (1898).

19,075 persons were treated at the 10 State Railway medical institutions.

## EMIGRATION. (1898.)

REGULATED EMIGRATION—*Act XXI of* 1883—

(*a*) Natal and Mauritius.

Agencies were maintained at Madras by the Governments of Natal and Mauritius. The condition of the depots was satisfactory on the whole; certain sanitary improvements were effected in the Natal depot: the number of deaths was, however, 19 (12 in the depot and 7 in the outside hospital) against 14 in 1897. Including 617 inmates on the 31st December 1897, 6,356 emigrants were admitted to the Natal depot (and 32 re-admitted from hospital), of whom 373 renounced their engagements. 1,881 were rejected, 32 remained in hospital and 19 died: 4,083 emigrated against 3,123 in 1897. 2,113 were registered from Madras, 1,789 from North Arcot and 569 from South Arcot. Of those embarked 2,369 were men, 969 women and 745 children. 320 emigrants returned from Natal with Rs. 48,499, as aggregate savings, compared with 127 with Rs. 27,708 in the previous year. There was no requisition for coolies for Mauritius during the year. 548 emigrants returned from that colony with a total savings of Rs. 14,082. The average savings of adult emigrants returned from Natal and Mauritius were Rs. 215 and Rs. 30 against Rs. 301 and Rs. 14, respectively, in 1897.

(*b*) Straits Settlements.

Indentured emigrants to the Straits Settlements proceeded only from Negapatam. 3,424 were registered and 3,319 embarked against 3,063 and 2,962 respectively, in 1897. The increase was due to larger demand for coolies and to the offer of more favourable terms.

(*c*) Assam—*Act I of* 1882.

Only 269 emigrants to Assam from Ganjám were registered against 1,044 in the previous year. Recruitment under the contractors' system ceased from April 1897. Two local agents were licensed and 75 garden sardars were employed against 1 and 128, respectively, in the previous year. Free emigration was largely substituted for recruitment. Receipts declined from Rs. 680 to Rs. 154 and charges from Rs. 649 to Rs. 557.

(*d*) French colonies.

There was no emigration to French colonies. 25 emigrants returned from La Réunion with Rs. 695 savings and 6 from Guadaloupe.

*Free emigration.*

15,339 British subjects embarked for the Straits Settlements against 18,179 in 1897, sailing from Negapatam, Karikal, Madras, Porto Novo, Cuddalore, and Pondicherry. 70,874 passengers sailed to Burma and 142,300 for Ceylon against 71,190 and 166,186, respectively, in 1897. Departures for Burma from Vizagapatam decreased largely, while those from Tanjore increased, in number. Emigration to Ceylon, which is usually supplied from Tinnevelly and Madura, declined owing probably to the favourable season.

*Immigration.*

216,901 persons returned from the various colonies and other parts of British India: those from Ceylon and Burma numbered 110,714 and 44,087 against 118,046 and 36,554, respectively, in 1897. A comparison of the average yearly number of emigrants for the last ten years (222,718) with that of immigrants (187,025) shows that nearly 84 per cent. of the former have returned, while 16 per cent. have settled temporarily or permanently, or have died, abroad.

Financial.

The receipts and charges of the year, excluding those relating to inland emigration to Assam, amounted to Rs. 10,014 and Rs. 12,575, respectively, against Rs. 7,941 and Rs. 12,711 in the previous year.

# CHAPTER VII.

## INSTRUCTION.

### EDUCATIONAL DEPARTMENT. (1898-99.)

#### I.—General Statistics.

General statistics.

The following table compares for the past two years the number of institutions of all grades and classes and the number of scholars attending each class of institutions:—

| Classes of institutions. | 1897-98. | | | 1898-99. | | |
|---|---|---|---|---|---|---|
| | Institutions. | Scholars on the 31st March. | Average number on the rolls. | Institutions. | Scholars on the 31st March. | Average number on the rolls. |
| *Public Institutions.* | | | | | | |
| University education— | | | | | | |
| Arts colleges { for men ... ... ... | 38 | 3,362 | 3,360 | 38 | 3,519 | 3,238 |
| Arts colleges { for women ... ... | 1 | 2 | 2 | 2 | 7 | 6 |
| Professional colleges ... ... ... | 6 | 896 | 853 | 6 | 709 | 853 |
| School education, general— | | | | | | |
| Secondary schools for boys— | | | | | | |
| Upper secondary, English ... ... | 140 | 38,548 | 36,366 | 144 | 39,376 | 37,724 |
| Lower secondary { English ... ... | 266 | 25,233 | 24,258 | 272 | 25,611 | 24,522 |
| Lower secondary { Vernacular ... | 118 | 8,583 | 8,262 | 114 | 8,476 | 8,111 |
| Secondary schools for girls— | | | | | | |
| Upper secondary { English ... ... | 20 | 2,176 | 1,989 | 22 | 2,281 | 2,167 |
| Upper secondary { Vernacular ... | 1 | 308 | 297 | 2 | 324 | 333 |
| Lower secondary { English ... ... | 40 | 3,686 | 3,597 | 44 | 3,896 | 3,729 |
| Lower secondary { Vernacular ... | 145 | 13,503 | 13,013 | 156 | 14,594 | 13,929 |
| Primary schools— | | | | | | |
| For boys { Upper primary ... ... | 4,951 | 221,574 | 216,642 | 5,026 | 226,329 | 222,040 |
| For boys { Lower primary ... ... | 14,875 | 359,797 | 345,710 | 14,963 | 360,922 | 346,319 |
| For girls { Upper primary ... ... | 398 | 23,320 | 22,276 | 369 | 22,522 | 21,889 |
| For girls { Lower primary ... ... | 453 | 12,910 | 12,281 | 481 | 13,644 | 13,019 |
| School education, special— | | | | | | |
| Training schools for masters ... ... | 60 | 1,440 | 1,315 | 61 | 1,418 | 1,419 |
| Do. for mistresses ... | 19 | 307 | 275 | 19 | 326 | 304 |
| Other special schools for boys ... ... | 37 | 3,303 | 3,186 | 38 | 3,119 | 3,098 |
| Do. do. for girls ... ... | 12 | 631 | 588 | 10 | 598 | 572 |
| Total, Public Institutions ... | 21,580 | 719,579 | 694,270 | 21,767 | 727,671 | 703,272 |
| *Private Institutions.* | | | | | | |
| Advanced schools teaching— | | | | | | |
| Arabic or Persian (for boys) ... ... | 46 | 2,273 | 2,191 | 50 | 2,605 | 2,553 |
| Sanskrit (for boys) ... ... ... | 160 | 2,554 | 2,513 | 179 | 2,612 | 2,578 |
| Elementary schools teaching— | | | | | | |
| A vernacular only { for boys ... ... | 4,289 | 78,249 | 75,392 | 4,326 | 79,871 | 76,619 |
| or mainly ... { for girls ... ... | ... | ... | ... | 1 | 15 | 8 |
| The Quran ... { for boys ... ... | 850 | 24,864 | 24,455 | 898 | 26,118 | 25,567 |
| The Quran ... { for girls ... ... | 43 | 1,041 | 1,048 | 42 | 1,155 | 1,117 |
| Other schools not conforming to departmental standards ... ... ... ... ... | ... | ... | ... | ... | ... | ... |
| Total, Private Institutions ... | 5,388 | 108,981 | 105,599 | 5,496 | 112,376 | 108,442 |
| Grand Total ... | 26,968 | 828,560 | 799,869 | 27,263 | 840,047 | 811,714 |

Public and private institutions rose, respectively, by ·9 and 2·0 per cent. in number and by 1·1 and 3·1 per cent. in strength. The total increase in schools and scholars (1·1 and 1·4 per cent.) was retarded by three counteracting causes,

namely, want of funds to aid a larger number of schools, the after-effects of famine and scarcity in several districts, and, in a few districts, the apprehension of an invasion of plague. The number of institutions borne on the departmental returns on the 31st March 1894 was 24,949 and their strength 749,977, so that in the course of five years the number of schools advanced by 9 per cent. and that of scholars by 12 per cent. While the increase in scholars was 11,487, the advance in the average number on the rolls was 11,845, indicating greater evenness in the strength of schools from month to month.

Distribution of schools by districts.

In three of the district groups there was an increase in both schools and scholars, in two a decrease in schools with an increase in scholars and in the remaining district group (central districts) both schools and scholars decreased. Among districts, 13 returned a larger, and 8 a smaller, number of schools and scholars, Kistna alone showing a loss of 16 schools but an increase of 1,615 scholars. Madura is credited with the largest advance in scholars and Ganjám in schools.

Institutions and scholars according to standards and stages of instruction.

Two classes of schools, viz., primary schools for girls and technical, industrial and art schools, lost one school each, the other classes of institutions having remained the same or advanced in number. As regards scholars, however, professional colleges, training schools for masters, medical schools and technical, industrial and art schools suffered to some extent. In 11 out of 17 districts provided with colleges the number of collegiate students increased, Vizagapatam, Kistna, Bellary, South Arcot, Madura and South Canara having lost a few students. Nearly 38 per cent. of the students were reading in the colleges in the city of Madras, Trichinopoly following with 15 per cent. The fall in the strength of the Law College reduced the numbers attending professional colleges. Upper secondary schools for boys were 233 stronger, but as many as 9 districts, including Madras, returned fewer pupils, while, as in 1897–98, lower secondary schools for boys in 15 districts were better attended. Primary schools for boys and for girls presented a better record in 15 and 16 districts, respectively. Boys' schools in Cuddapah, Nellore, Madras, North Arcot, South Arcot, Trichinopoly and Salem, and girls' schools in Kurnool, Nellore, Chingleput, North Arcot, South Arcot and Coimbatore returned fewer pupils. As regards the distribution of scholars over the different stages of instruction, there was more or less improvement under each stage. The percentages of scholars in the different stages to the total school population in the collegiate, upper secondary, lower secondary, upper primary and lower primary stages were, respectively, ·5, 2·0, 5·1, 6·8 and 85·6 against ·5, 2·0, 5·1, 6·7 and 85·7 in the previous year.

Institutions according to managing agencies.

Institutions are classified below according to managing agencies :—

| Institutions. | 1897–98. | | 1898–99. | |
|---|---|---|---|---|
| | Number. | Strength. | Number. | Strength. |
| *Under public management.* | | | | |
| Government (departmental) ... | 414 | 23,983 | 415 | 24,170 |
| Board (municipal and local) ... | 3,182 | 151,938 | 3,005 | 147,470 |
| Native State (Sandúr) ... ... | 1 | 84 | 1 | 85 |
| *Under private management.* | | | | |
| Aided from public funds ... ... | 11,934 | 411,251 | 12,047 | 418,538 |
| Unaided ... ... ... ... | 6,049 | 132,323 | 6,299 | 137,408 |
| Indigenous and private ... ... | 5,388 | 108,981 | 5,496 | 112,376 |
| Total ... | 26,968 | 828,560 | 27,263 | 840,047 |

There was a net increase of one Government school. Municipal schools remained the same as in the previous year, viz., 326, with a slightly increased strength; but local fund schools fell in number from 2,856 to 2,679 and in strength from 130,034 to 125,434, owing to abolition of as many as 177 schools, with a view to set free more funds for communications. Institutions under private management advanced both in number and in strength: the increase (113) under aided schools, however, fell short of the number of local fund schools closed.

Education in relation to population.

The proportion increased from 1 in 50 to 1 in 49 in public, and from 1 in 324 to 1 in 317 in private institutions, or from 1 in 43 to 1 in 42 on the whole. Eleven districts retained their position in the list; Madura gained three places and Kistna, Bellary, Anantapur and South Arcot one place each; but South Canara lost two places and Nellore, North Arcot, Tanjore, Trichinopoly and Salem lost each one place. In 9 districts against 11 in the previous year the proportion was above the average. Wide variations were again noticeable among districts in the proportion of scholars to population in private schools. This must be attributed to the disparity in the number of private schools for which statistics are annually collected by the subordinate inspecting officers.

Education in relation to population of school age.

In public institutions alone the percentage of male scholars to male population of school age rose from 23·0 to 23·2 and that of female scholars to female population of school age from 4·1 to 4·2. In all institutions, public and private, 27·1 per cent. of the male and 4·6 per cent. of the female population of school-going age were at school against 26·8 and 4·5 per cent., respectively, in the previous year. The percentage in the Northern Circars and Ceded Districts was between 12½ and 15 per cent. of the population of school-going age, in the Southern and West coast districts it was between 17½ and 20, in the Inland and Central districts it was below 12½ and between 15 and 17½ per cent., respectively.

Scholars according to classes of the community.

Male and female scholars in public and private institutions are distinguished below according to the classes of the community to which they belonged :—

| Classes of the community. | Population of school age. | | Scholars. | | | | Percentage. | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Boys. | Girls. | Boys. | Girls. | Boys. | Girls. | Boys. | Girls. | Boys. | Girls. |
| Europeans ... ... | 3,225 | 2,786 | 3,979 | 3,836 | 4,100 | 3,827 | 123·4 | 137·7 | 127·1 | 137·4 |
| Native Christians ... | 60,861 | 62,957 | 41,841 | 21,348 | 40,587 | 21,194 | 68·7 | 33·9 | 66·7 | 33·7 |
| Muhammadans ... ... | 166,667 | 170,891 | 83,317 | 16,978 | 85,189 | 16,705 | 50·0 | 9·9 | 51·1 | 9·8 |
| Hindus — Brahmans ... | 83,766 | 86,490 | 88,748 | 18,648 | 90,170 | 19,142 | 105·9 | 21·6 | 107·6 | 22·1 |
| Hindus — Non-Brahman caste Hindus. | 1,856,563 | 1,896,276 | 448,445 | 54,379 | 450,946 | 56,798 | 24·2 | 2·9 | 24·3 | 3·0 |
| Hindus — Panchamas ... | 431,653 | 444,988 | 37,549 | 5,408 | 41,632 | 6,366 | 8·7 | 1·2 | 9·6 | 1·4 |
| Aborigines ... ... | 36,790 | 34,130 | 3,760 | 92 | 3,024 | 92 | 10·2 | ·3 | 8·2 | ·3 |
| Others ... ... ... | 3,384 | 3,139 | 108 | 124 | 115 | 160 | 3·2 | 3·9 | 3·4 | 5·1 |
| Total ... | 2,642,909 | 2,701,657 | 707,747 | 120,813 | 715,763 | 124,284 | 26·8 | 4·5 | 27·1 | 4·6 |

Native Christians and aborigines contributed fewer male scholars and Europeans, Native Christians and Muhammadans fewer female scholars than in the previous year. Panchamas again made a substantial advance. Arts colleges contained 152 more male scholars, and all classes except Europeans, Native Christians and Panchamas contributed to the increase, Brahmans more than regaining the number lost in the previous year. The continued increase in the number of Muhammadan students is encouraging. Professional colleges suffered heavily in numbers, and all classes participated in the loss, particularly Brahmans.

Upper secondary forms received an accession of 227 boys and 46 girls, the increase under boys being shared by all classes except aborigines, while that under girls was confined to Europeans and Native Christians, chiefly to the latter. Five more Panchama boys were reading in the high school forms. Lower secondary forms were attended by 946 more boys and 166 more girls, the increase in boys being shared by all classes except aborigines, while that under girls extended to all classes except Europeans. The presence of 57 more Panchama boys and 6 more Panchama girls in lower secondary forms is encouraging. Over one-half of the increase under girls appertained to Native Christians, while the number of Brahman girls rose by 28. The facts that only 140 Brahman girls were reading in lower secondary forms in the whole Presidency and that not one Brahman girl was found in the upper secondary stage point to the continued indifference of that class to female education. Primary classes had 4,564 more boys and 2,388 more girls on the rolls than on the 31st March 1898. Native Christian boys fell from 33,928 to 32,120, and boys belonging to the aboriginal classes from 3,670 to 2,979, while the other sections of the community were all better represented. The decrease under Native Christians was probably due to a large number of pupils being classed as Panchamas and that under aborigines to more correct classification. Europeans, Native Christians, Muhammadans and aborigines contributed fewer girls, though the total number of girls in the primary stage rose by 2,388. The decrease in the number of Muhammadan girls, viz., 746, is large and disappointing. Turning to the percentages of male scholars of the different sections of the population at each stage of general instruction to the total number of male scholars at the respective stages, it is interesting to note that the several classes did not vary their relative positions in the upper secondary, lower secondary and primary stages, and that in the collegiate stage also all the classes excepting Native Christians and Brahmans maintained their positions. Native Christians lost 1 per cent. and Brahmans gained 1 per cent. in the collegiate stage.

Scholars according to wealth.

The distribution of scholars according to the wealth and condition of their parents or guardians shows that the number of scholars belonging to the richer, middle and poorer classes rose from 6,716, 147,911 and 673,933 to 7,316, 151,353 and 681,378, or by 9, 2 and 1 per cent., respectively. In arts colleges 921 male scholars were of the poorer classes against 998 ; but their proportion to the total college population is over 26 per cent., which shows that fair facilities are afforded to poor youths to study up to the B.A. degree examination. Of the male pupils in the upper secondary and lower secondary stages, 37 and 51 per cent., respectively, belonged to the poorer classes, while of the female pupils in the above stages they formed 25 and 55 per cent. A comparison with the figures of the previous year will show that these classes have been advancing in the secondary stage of instruction also. Officials, traders and land-holders contributed together 83, 81 and 69 per cent. of the male scholars in the collegiate, upper secondary and lower secondary stages against 85, 81 and 68 per cent. To the same classes belonged 72 and 52 per cent. of female scholars in the upper secondary and lower secondary stages against 76 and 53 per cent. in 1897–98.

Scholars according to languages studied.

There was a further advance of 3·7 and 8·7 per cent., respectively, in the number of boys and girls reading English, indicating a steadily growing desire to obtain a knowledge of the English language. Among the classical languages, Sanskrit was read by the largest number of candidates next to Arabic, which was, however, mostly confined to the recitation of the Quran by rote. Tamil, Telugu, Malayalam and Uriya were read by a larger number of scholars, while Canarese and Hindustani were read by fewer scholars. Of the scholars in public institutions in Madras, Bengal and Bombay on the 31st March 1898 about 21 per cent., 11 per cent. and 8 per cent., respectively, were studying English.

Scholars with reference to protection from small-pox.

Notwithstanding a large increase in the total number of scholars, there was according to the figures appended a decrease in the number of scholars unprotected from small-pox. The provisions of the Grant-in-Aid Code regarding vaccination were strictly enforced.

| | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Boys. | Girls. | Boys. | Girls. |
| Colleges ... ... .. ... | 5 | ... | 1 | ... |
| Secondary schools .. .. .. | 998 | 395 | 1,177 | 369 |
| Primary do. .. ... ... | 36,312 | 7,883 | 32,577 | 7,216 |
| Special do. ... ... ... | ... | 2 | ... | ... |

Relative extent of education in municipal and non-municipal areas.

Municipalities sustained a loss in institutions and scholars, while non-municipal areas showed a marked increase in both. The bulk of the above decrease and increase appertained to primary schools for boys. Of the total number of institutions and scholars, 10·3 and 21·6 per cent., respectively, belonged to municipal towns against 10·8 and 22·2 per cent. on the 31st March 1898. The percentages of male and female scholars in all municipalities to the respective populations of school age were 90·8 and 23·4 against 92·2 and 23·2 in the previous year. In 24 municipalities more than 100 per cent. of the estimated male population of school age were at school.

General statistics of receipts and charges.

The expenditure on education, direct and indirect (omitting surplus fees and expenditure on indigenous and private schools), from all sources for the past five years is compared below :—

| Heads of expenditure. | 1894-95. | | 1895-96. | | 1896-97. | | 1897-98. | | 1898-99. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total. | Percentage to total expenditure. | Total. | Percentage to total expenditure. | Total. | Percentage to total expenditure. | Total. | Percentage to total expenditure. | Total. | Percentage to total expenditure. |
| *University education.* | RS. | | RS. | | RS. | | RS. | | RS. | |
| Arts colleges ... ... | 6,12,326 | 9·53 | 6,15,837 | 9·32 | 6,21,881 | 9·60 | 6,37,483 | 9·53 | 6,33,568 | 9·17 |
| Professional colleges ... | 2,23,058 | 3·47 | 2,27,426 | 3·44 | 2,30,784 | 3·56 | 2,37,991 | 3·56 | 2,41,772 | 3·50 |
| *School education.* | | | | | | | | | | |
| General ... ... ... | 39,28,894 | 61·16 | 40,07,778 | 60·68 | 40,64,399 | 62·73 | 42,15,512 | 63·05 | 43,18,418 | 62·47 |
| Special ... ... ... | 4,75,409 | 7·40 | 4,97,883 | 7·54 | 4,93,505 | 7·62 | 5,06,517 | 7·57 | 4,99,192 | 7·22 |
| *General.* | | | | | | | | | | |
| University ... ... ... | 1,58,936 | 2·47 | 1,82,270 | 2·76 | 1,71,868 | 2·65 | 1,65,130 | 2·47 | 1,80,103 | 2·60 |
| Direction and inspection. | 4,44,628 | 6·92 | 4,60,976 | 6·98 | 4,55,166 | 7·03 | 4,65,303 | 6·96 | 4,69,306 | 6·79 |
| Scholarships ... ... | 59,612 | ·93 | 67,164 | 1·02 | 79,945 | 1·19 | 93,520 | 1·40 | 93,784 | 1·36 |
| Buildings ... ... ... | 4,32,390 | 6·73 | 4,73,335 | 7·17 | 3,04,159 | 4·69 | 3,10,220 | 4·64 | 3,85,770 | 5·58 |
| Miscellaneous, including grants for furniture ... | 88,982 | 1·39 | 71,991 | 1·09 | 59,985 | ·93 | 54,759 | ·82 | 90,260 | 1·31 |
| Total ... | 64,24,235 | 100·00 | 66,04,660 | 100·00 | 64,78,692 | 100·00 | 66,86,435 | 100·00 | 69,12,173 | 100·00 |

There was a further increase in the total expenditure of over Rs. 2,29,000. Fees contributed Rs. 47,000 and private funds Rs. 2,11,000 more, and public funds Rs. 29,000 less. Provincial and local funds spent, respectively, Rs. 6,000 and Rs. 26,000 less and municipal funds Rs. 3,000 more. Of the total expenditure, public funds, fees and private funds met 42, 30 and 28 per cent. against 44, 30 and 26 per cent., respectively, in 1897–98. On direct expenditure, however, only Rs. 95,000 more were spent, provincial and local funds spending Rs. 9,000 and Rs. 19,000 less and municipal funds, fees and private funds spending Rs. 9,000, Rs. 31,000 and Rs. 83,000 more, respectively. Secondary and primary schools cost Rs. 88,000 and Rs. 15,000 more and professional colleges Rs. 4,000 more,

while on all other classes of institutions a smaller sum was expended. Over 62 per cent. of the total expenditure appertained to secondary and primary education.

Provincial charges and receipts

Particulars of provincial charges and receipts are furnished below for the past five years; they include, as usual, the figures relating to the Medical College, including the school department, and exclude those relating to the Lawrence Asylum, Ootacamund:—

| Charges and Receipts. | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. |
|---|---|---|---|---|---|
| *Charges.* | Rs. | Rs. | Rs. | Rs. | Rs. |
| Direction | 56,340 | 57,006 | 55,615 | 60,980 | 56,477 |
| Inspection | 2,83,969 | 2,93,163 | 2,85,471 | * 2,87,629 | * 2,94,524 |
| Government colleges and schools — General. | 3,89,844 | 4,04,636 | 4,05,235 | 4,19,767 | 4,27,508 |
| Government colleges and schools — Special. | 5,02,475 | 5,05,796 | 5,15,507 | 5,34,443 | 5,22,195 |
| Scholarships in colleges and schools — General. | 12,061 | 12,524 | 17,030 | 24,527 | 26,568 |
| Scholarships in colleges and schools — Special. | 14,579 | 19,123 | 19,401 | 21,518 | 20,371 |
| Grants-in-aid to Schools under private management | 4,66,125 | 4,83,399 | 4,93,182 | 5,26,192 | 5,22,838 |
| Grants-in-aid to do. under municipal management. | 32,216 | 32,971 | 31,146 | 33,607 | 34,019 |
| Grants-in-aid to do. under local boards | 96,008 | 1,03,410 | 98,890 | 92,958 | 92,699 |
| Registration of books | 3,283 | 3,218 | 3,216 | 3,126 | 3,351 |
| Purchase and collection of oriental manuscripts. | 1,867 | 1,818 | 2,129 | 1,848 | 1,835 |
| Workshop, College of Engineering | 22,886 | 2,561 | ... | ... | ... |
| Refunds and miscellaneous charges | 15,783 | 18,462 | 18,547 | 17,375 | 60,571 |
| Government educational buildings | 2,41,344 | 2,48,364 | 1,03,068 | 99,285 | 67,389 |
| Total Charges | 21,38,780 | 21,86,451 | 20,48,427 | 21,23,255 | 21,30,345 |
| *Receipts.* | | | | | |
| Fees in colleges and schools (general and special) credited to Government | 1,63,177 | 1,76,960 | 1,73,140 | 1,64,565 | 1,57,275 |
| Income on endowments credited to Government. | 2,635 | 2,049 | 2,049 | 2,049 | 2,447 |
| Departmental examination fees | 7,314 | 6,993 | 8,324 | 9,377 | 10,732 |
| Sale of books | 1,012 | 28 | 66 | 58 | 3 |
| Sales at the School of Arts | 8,227 | 9,293 | 7,482 | 5,217 | 9,449 |
| Contributions from local and municipal funds | 46,119 | 42,325 | 34,473 | 43,021 | 52,584 |
| Private contributions | 1,265 | ... | 1,209 | 1,209 | 2,418 |
| Miscellaneous receipts | 13,666 | 16,518 | 21,223 | 14,626 | 17,452 |
| Total Receipts | 2,43,415 | 2,54,166 | 2,48,266 | 2,40,122 | 2,52,360 |
| Net Expenditure | 18,95,365 | 19,32,285 | 18,00,161 | 18,83,133 | 18,77,985 |

* The grant of Rs. 768 to Mappilla Inspecting schoolmasters is shown against grants-in-aid to schools under local boards.

Local fund operations.

Schools under the management of local boards fell in number from 2,856 to 2,679, and in strength from 130,034 to 125,434, compared with the previous year. The expenditure from local funds on education dwindled from Rs. 9,09,061 in 1895–96, Rs. 8,74,237 in 1896–97 and Rs. 8,40,049 in 1897–98 to Rs. 8,14,080 in 1898–99. The gross and net expenditure from local funds under grant 2 amounted to Rs. 10,75,333 and Rs. 8,14,080, respectively.

Municipal operations.

Institutions under the management of municipal bodies remained the same in number as in the previous year, viz., 326, but received a slight accession to their strength, which rose from 21,904 to 22,036. The expenditure from municipal funds on education rose from Rs. 2,24,011 in 1895–96, Rs. 2,33,273 in 1896–97, Rs. 2,32,813 in 1897–98 to Rs. 2,37,358 in 1898–99, which is the highest figure on record. The gross and net expenditure from municipal funds amounted, respectively, to Rs. 3,65,076 and Rs. 2,37,358.

Distribution of direct expenditure among the different classes of institutions.

In the following summary, the amount of direct expenditure on education during 1898–99 is distributed among the different classes of institutions, the figures against primary schools including those relating to primary departments of secondary schools:—

| Classes of institutions. | From provincial funds. | From local funds. | From municipal funds. | From fees. | From subscriptions, endowments and other sources. | Total. |
|---|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Government | 7,10,162 | 32,382 | 21,021 | 1,56,116 | 31,376 | 9,51,057 |
| Government | * (L.A.) 48,000 | ... | ... | ... | * (L.A.) 77,086 | 1,25,086 |
| Board | 1,21,443 | 4,12,175 | 85,458 | 3,37,407 | 13,079 | 9,69,580 |
| Native States | ... | ... | ... | 457 | 957 | 1,414 |
| Aided | 4,73,382 | 2,29,977 | 1,08,536 | 10,81,233 | 13,25,526 | 32,18,654 |
| Unaided | ... | ... | ... | 2,45,832 | 1,81,327 | 4,27,159 |

* (L.A.) stands for Lawrence Asylum.

Compared with the previous year, the gross and net expenditure on Government institutions fell by Rs. 4,651 and Rs. 22,579, respectively. Professional colleges and primary schools for boys and girls cost more, but the other classes of institutions cost less. Taking the surplus fees of the Law College into account, the net cost to Government on its own institutions fell from 75·8 to 74·5 per cent. of the total cost. The abolition of a large number of local fund schools, already referred to, brought about the decrease of Rs. 15,543 in the total cost of board schools and of Rs. 29,389 in the net cost to local boards. The bulk of the decrease appertained to primary schools for boys. Taking the surplus fees into account, the net expenditure to boards on their own institutions will be found to have fallen from 52·7 to 50·6 per cent. The total expenditure on aided institutions rose by Rs. 79,289, towards which public and private funds contributed Rs. 13,269 and Rs. 66,313, respectively, more and fees Rs. 293 less than in the preceding year. Every class of institutions, training schools excepted, participated in the increase. Public funds met 25·2 per cent. against 25·4 per cent.

Average cost of education.

The average cost of education per head of total population rose from 37 to 38 pies; but the average cost per head to public funds remained the same as in the previous two years, viz., 16 pies. The additional cost was thus met exclusively from private funds including fees. In 1897–98, the cost per head of population in Bengal, Madras and Bombay was, respectively, 29 pies, 37 pies and 53 pies.

School fees.

The following table compares the fee receipts returned by institutions under public and private management during the past five years:—

| Year. | Institutions managed by Government. | | Institutions managed by municipal and local fund boards. | | Institutions managed by Native States. | | Institutions under private management, including private schools. | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Average number on the rolls. | School fees. | Average number on the rolls. | School fees. | Average number on the rolls. | School fees. | Average number on the rolls. | School fees. | Average number on the rolls. | School fees. |
| | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| 1894–95 ... | 21,705 | 1,63,177 | 154,155 | 3,01,062 | 76 | 370 | 565,912 | 13,01,114 | 741,848 | 17,65,723 |
| 1895–96 ... | 22,355 | 1,76,960 | 157,140 | 3,12,984 | 82 | 407 | 578,314 | 13,30,683 | 757,891 | 18,21,034 |
| 1896–97 ... | 23,672 | 1,73,440 | 150,390 | 3,25,880 | 80 | 385 | 617,002 | 13,79,015 | 791,144 | 18,78,720 |
| 1897–98 ... | 23,239 | 1,64,565 | 149,013 | 3,32,588 | 86 | 417 | 627,531 | 14,33,673 | 799,869 | 19,31,243 |
| 1898–99 ... | 23,543 | 1,57,275 | 145,394 | 3,42,094 | 94 | 457 | 642,683 | 14,58,085 | 811,714 | 19,57,911 |

Receipts have increased during the past decade by more than 22 per cent. The total amount realized during the past five years was Rs. 93,54,631 against Rs. 79,06,611 and Rs. 89,13,748 collected during the five years ending with 1891–92 and 1896–97, respectively. Many of the schools established of late years are intended for backward classes, and no fees or only small fees are levied in them. A uniform rate of advance in the fee income cannot, therefore, be expected from one quinquennium to another.

Proportion of fee income to total expenditure.

The percentage of expenditure met from fees in the different classes of institutions is compared in subjoined statement:—

| — | 1897-98. | 1898-99. |
|---|---|---|
| Arts colleges ... ... ... ... ... ... ... | 30 | 28 |
| Professional colleges ... ... ... ... ... ... | 32 | 28 |
| Upper secondary schools for boys ... ... ... ... | 64 | 57 |
| Lower secondary schools for boys ... ... ... ... | 37 | 45 |
| Upper secondary schools for girls ... ... ... ... | 28 | 31 |
| Lower secondary schools for girls ... ... ... ... | 10 | 10 |
| Primary schools for boys ... ... ... ... ... | 33 | 33 |
| Do. for girls ... ... ... ... ... | 4 | 5 |
| Special schools ... ... ... ... ... ... ... | 6 | 6 |

In arts colleges the proportion was lower, chiefly in consequence of the decrease in the fee income of aided colleges from Rs. 1,23,271 to Rs. 1,11,328. The

diminished strength and fee income of the Law College were followed by a fall in the percentage of fees to cost in professional colleges. In upper secondary schools for boys the percentage fell from 64 to 57, but this is nominal, being due to the inclusion of the male branch of the Lawrence Asylum, Ootacamund, in the upper secondary list. Omitting this institution the percentage was 61 against 64. For the above reason the percentage rose in lower secondary schools. On the whole, 33 per cent. of the total cost was borne by fees as in the previous year. In Government, board and aided institutions, 15, 35 and 34 per cent. of the charges were, respectively, met from fees against 15, 34 and 34 per cent. in 1897–98 and 16, 30 and 31 per cent. in 1894–95.

**Grants-in-aid.**

Grants-in-aid of every description paid from provincial, local and municipal funds during each year of the past decade are exhibited below :—

| Year. | Grants from provincial funds. | Grants from local funds. | Grants from municipal funds. | Total. |
|---|---|---|---|---|
| | RS. | RS. | RS. | RS. |
| 1889-90 ... ... ... ... | 5,02,538 | 2,02,257 | 88,751 | 7,93,546 |
| 1890-91 ... ... ... ... | 6,40,341 | 2,18,520 | 99,190 | 9,58,051 |
| 1891-92 ... ... ... ... | 6,33,029 | 2,24,358 | 96,401 | 9,53,788 |
| 1892-93 ... ... ... ... | 6,15,727 | 2,32,505 | 1,01,852 | 9,50,084 |
| 1893-94 ... ... ... ... | 6,17,663 | 2,31,936 | 1,05,348 | 9,54,947 |
| 1894-95 ... ... ... ... | 5,94,349 | 2,25,947 | 93,665 | 9,13,961 |
| 1895-96 ... ... ... ... | 6,19,780 | 2,32,460 | 99,124 | 9,51,364 |
| 1896-97 ... ... ... ... | 6,23,218 | 2,39,285 | 1,07,280 | 9,69,783 |
| 1897-98 ... ... ... ... | 6,52,757 | 2,28,771 | 1,07,278 | 9,88,806 |
| 1898-99 ... ... ... ... | 6,49,556 | 2,32,242 | 1,12,240 | 9,94,038 |

The total amount of grants was the highest on record. Grants from municipal and local funds increased by Rs. 5,000 and Rs. 3,000 each, and those from provincial funds, owing to smaller building grants, decreased by Rs. 3,000. The system of fixing a specific amount as results-grant for each school prior to the grant examination was discontinued from 1st April 1898, and assignments were instead fixed after the examination and in proportion to the earnings of each school. The change proved salutary.

## II.—Controlling Agencies.

**Direction.**

Dr. Duncan was in charge of the department throughout the year except for the last twenty-four days, when the Hon'ble Mr. G. H. Stuart acted for him during his absence on privilege leave. Dr. Duncan visited during the year Ootacamund, Coonoor, Coimbatore, Madanapalle, Anantapur, Bellary, Gooty, Calicut, Tellicherry, Cannanore and Palghat, Vizianagram, Vizagapatam, Waltair, Berhampur and Parlákimedi. The Hon'ble Mr. Stuart inspected the Reformatory school, Madras.

**Inspection.**

During the year the control and supervision of education in the civil and military station of Bangalore and in Coorg became vested in the Director of Public Instruction, Madras. Hence, to equalize more nearly the work of the Inspectors, Trichinopoly was transferred from the Western to the Southern Circle, North Arcot from the Southern to the Central Circle, and Nellore from the Central to the Northern Circle. Every circle changed hands twice or more frequently during the year owing to the absence on privilege leave of every one of the Inspectors, to the deputation of Rao Bahadur C. Nagoji Rau to the Kumbakónam College, and to the death of Mr. Flanagan. The Inspectors of the Northern, Central, Southern and Western Circles examined 160, 205, 94 and 75 institutions, respectively, against 147, 228, 73 and 124 in 1897–98. The Inspectresses examined 131 and 142 institutions against 122 and 149.

**Assistant Inspectors.**

Every division changed hands except Gódávari-Kistna. The Senior Assistant Inspector, M.R.Ry. N. Raghunathachariyar, B.A., was promoted to the Inspectorate on Mr. Flanagan's death, but no permanent substitute was appointed during the year. One of the Assistant Inspectors was reduced and transferred for omissions in his statement of landed property. The following statement gives particulars of the work done by the permanent and acting Assistant Inspectors :—

| Division. | Inspecting officers. | Number of days in charge. | Examined for grant. | | Examined for improvements. | | Number of days spent | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Schools. | Pupils. | Schools. | Pupils. | in examining schools. | in other work. | on circuit. |
| Ganjám-Vizagapatam. ... | M.R.Ry. G. V. Subbarayudu Sastri, B.A. | 329 | 185 | 4,714 | 63 | 3,152 | 110 | 203 | 167 |
| | M.R.Ry. M. Kameswara Rau Pantulu, B.A. | 36 | 46 | 1,093 | 15 | 727 | 22 | 14 | 28 |
| Gódávari-Kistna ... ... | M.R.Ry. M. Singaravelu Mudaliyar, B.A. | 365 | 260 | 6,703 | 44 | 2,430 | 138 | 179 | 170 |
| Ceded Districts ... ... | M.R.Ry. T. Somasundara Rao Pantulu. | 197 | 106 | 3,047 | 95 | 4,945 | 76 | 115 | 138 |
| | M.R.Ry. S. Swami Aiyar, B.A. | 168 | 67 | 4,216 | 59 | 2,371 | 72 | 64 | 131 |
| Presidency ... ... | M.R.Ry. A. C. Pranathartihara Aiyar, B.A. | 144 | 29 | 615 | 3 | 446 | 17 | 102 | 32 |
| | M.R.Ry. N. Raghunathachariyar, B.A. | 127 | 65 | 2,375 | 14 | 1,907 | 55 | 55 | 72 |
| | M.R.Ry. S. Swami Aiyar, B.A. | 49 | 31 | 843 | 2 | 523 | 21 | 25 | 36 |
| | M.R.Ry. L. C. Williams Pillai, B.A. | 44 | ... | ... | 13 | 1,717 | 8 | 28 | 10 |
| Arcot ... ... ... | M.R.Ry. C. N. Subrahmanya Aiyar, B.A. | 212 | 132 | 4,800 | 35 | 2,520 | 77 | 119 | 88 |
| | M.R.Ry. D. S. Krishnaswami Aiyar, B.A. | 153 | 55 | 1,954 | 11 | 2,265 | 25 | 103 | 109 |
| Tanjore-Trichinopoly .. | M.R.Ry. L. C. Williams Pillai, B.A. | 40 | 27 | 1,233 | ... | 37 | 10 | 24 | 14 |
| | M.R.Ry. S. Ramadas Aiyar, B.A. | 272 | 131 | 4,932 | 30 | 2,830 | 107 | 138 | 120 |
| | M.R.Ry. C. N. Subrahmanya Aiyar, B.A. | 53 | 1 | 76 | 6 | 348 | 7 | 42 | 10 |
| Madura-Tinnevelly ... | M.R.Ry. N. Daivasikhamani Mudaliyar. | 304 | 210 | 9,823 | 21 | 1,305 | 91 | 201 | 132 |
| | M.R.Ry. P. Krishnamachariyar. | 61 | 36 | 1,197 | 8 | 321 | 26 | 25 | 37 |
| Coimbatore ... ... | M.R.Ry. C. S. Swami Aiyangar, B.A. | 223 | 117 | 3,873 | 50 | 3,077 | 84 | 111 | 125 |
| | M.R.Ry. A. C. Pranathartihara Aiyar, B.A. | 142 | 53 | 2,366 | 17 | 1,779 | 34 | 101 | 77 |
| West Coast ... ... | M.R.Ry. A. Subba Rao, B.A. | 76 | 22 | 903 | 1 | 64 | 8 | 44 | 2 |
| | M.R.Ry. K. P. Guruswami Aiyar, B.A. | 132 | 88 | 4,532 | 13 | 864 | 68 | 56 | 121 |
| | M.R.Ry. T. Somasundara Rao Pantulu. | 157 | 70 | 3,910 | 21 | 2,275 | 58 | 78 | 84 |
| | Total ... | | 1,731 | 63,205 | 521 | 35,903 | 1,114 | 1,822 | 1,703 |
| | Average ... | | 192 | 7,023 | 58 | 3,989 | 124 | 202 | 189 |

A comparison with the figures for 1897–98 will show a slight decrease in the number of schools and of pupils examined for grant and in the number of days spent in examining schools and on circuit. This is due to the decrease in the number of schools registered for grant examination owing to famine and scarcity.

Sub-Assistant Inspectors of boys' schools.

The number and jurisdiction of Sub-Assistant Inspectors remained unchanged. In 36 out of 56 ranges there was no change of hands. The following summary compares the averages of work for the several divisions :—

| Divisions. | Examined for grant. | | Examined for improvement. | | Days spent on circuit. | Days spent in examining schools. |
|---|---|---|---|---|---|---|
| | Schools. | Pupils. | Schools. | Pupils. | | |
| Ganjám-Vizagapatam ... ... ... | 389 | 5,345 | 17 | 1,019 | 217 | 133 |
| Gódávari-Kistna ... ... ... | 270 | 5,496 | 32 | 2,703 | 207 | 125 |
| Ceded Districts ... ... ... ... | 208 | 3,248 | 69 | 2,952 | 204 | 139 |
| Presidency ... ... ... ... | 243 | 4,288 | 51 | 4,329 | 161 | 143 |
| Arcot ... ... ... ... ... | 244 | 4,296 | 45 | 2,723 | 193 | 115 |
| Tanjore-Trichinopoly ... ... ... | 221 | 4,344 | 33 | 3,055 | 173 | 123 |
| Madura-Tinnevelly ... ... ... | 284 | 5,834 | 34 | 2,403 | 173 | 145 |
| Coimbatore ... ... ... ... | 190 | 3,417 | 33 | 2,368 | 206 | 132 |
| West Coast ... ... ... ... | 218 | 6,027 | 36 | 2,357 | 225 | 129 |
| Average for the Presidency ... | 249 | 4,593 | 40 | 2,671 | 195 | 132 |

Sub-Assistants of girls' schools.

Of the six girls' ranges 2 were under female and 4 under male Sub-Assistants. Four of the six ranges experienced no change of Sub-Assistants. Ten more schools were examined than in 1897-98; but the number of pupils examined fell from 44,180 to 43,193.

Inspecting schoolmasters.

Five additional Inspecting schoolmasters were entertained and two posts were abolished, so that there were 261 Inspecting schoolmasters at work on the 31st March last. 27 were employed for schools intended for Muhammadans or Mappillas. Of the total number 162 were trained men. The Inspecting schoolmasters are reported to have visited 4,407 villages which had no schools, to have started 2,109 schools and to have brought 2,248 unaided schools to the aided list. These figures show further deterioration.

Superintendents of Hill schools.

As in previous years 6 Superintendents were employed for the supervision of schools in the Agency tracts of the Northern Circars. They visited in all 233 villages which had no schools, started 23 schools and brought 34 unaided schools to the aided list. One of the Superintendents was dismissed for inefficiency.

Cost of direction and inspection.

The total expenditure from public funds on direction and inspection and the proportion of this expenditure to the total expenditure from public funds on public instruction are compared below for the past five years, surplus fee receipts in institutions under public management having been deducted from the total expenditure :—

| Year. | On direction and inspection. | | | | Total expenditure from public funds on public instruction. | Percentage ratio of column 5 to column 6. |
|---|---|---|---|---|---|---|
| | From provincial funds. | From municipal funds. | From local funds. | Total. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | |
| 1894-95 ... ... ... ... | 3,40,309 | 13,107 | 91,212 | 4,44,628 | 30,55,747 | 14·6 |
| 1895-96 ... ... ... ... | 3,50,169 | 12,985 | 97,822 | 4,60,976 | 31,16,838 | 14·8 |
| 1896-97 ... ... ... ... | 3,41,086 | 14,488 | 99,592 | 4,55,166 | 29,57,156 | 15·4 |
| 1897-98 ... ... ... ... | 3,49,377 | 14,296 | 1,01,630 | 4,65,303 | 30,02,920 | 15·5 |
| 1898-99 ... ... ... ... | 3,51,769 | 15,026 | 1,02,511 | 4,69,306 | 29,74,274 | 15·8 |

## III.—Collegiate Education.

University degrees.

At the convocation held in March 1899 for conferring degrees, 515 candidates were admitted to degrees. This figure was the lowest during the past five years, owing chiefly to a large fall in the number of candidates that appeared for and passed the B.A. degree examination of January last.

University by-laws.

The recommendations of the committee appointed in 1897 to revise the rules of affiliation were in the main adopted and were sanctioned at the close of the year. A closer connection will be established thereby between the University and the affiliated colleges, and the Syndicate will exercise supervision over the affiliated colleges similar to the control exercised by the Department of Education over recognised schools. The date of the Matriculation examination and the First examination in Arts was changed from 15th to 1st December and that of the B.A. degree examination from January to December. In the term certificates prescribed for the different examinations a clause was inserted requiring heads of institutions to certify to the conduct of each candidate. The maximum number of members of boards of studies was raised from 9 to 12.

University affiliation.

To the list of colleges affiliated up to the F.A. standard there was one addition, viz., St. Mary's Presentation Convent, Black Town, Madras. This has raised the number of colleges for women from 2 to 3.

University examinations.

In the following summary will be found the results of the various examinations conducted by the University during the past five years, those of the Matriculation examination excepted :—

| Examination. | Number examined. | | | | | Number passed. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. |
| *Arts.* | | | | | | | | | | |
| Master of Arts | 23 | 27 | 24 | 29 | 26 | 6 | 12 | 5 | 11 | 9 |
| Bachelor of Arts. English Language division. | 854 | 926 | 888 | 936 | 700 | 523 | 593 | 333 | 590 | 368 |
| Bachelor of Arts. Second Language division. | 775 | 727 | 720 | 626 | 516 | 698 | 587 | 617 | 505 | 428 |
| Bachelor of Arts. Science division. | 825 | 1,010 | 853 | 801 | 734 | 500 | 625 | 567 | 439 | 397 |
| First Examination in Arts. | 1,870 | 1,897 | 1,628 | 1,858 | 1,965 | 629 | 640 | 481 | 659 | 739 |
| *Law.* | | | | | | | | | | |
| Master of Laws ... | 7 | 6 | 3 | 3 | 1 | ... | ... | ... | 1 | 1 |
| Bachelor of Laws ... | 202 | 130 | 203 | 232 | 317 | 59 | 28 | 52 | 58 | 94 |
| First Examination in Law. | ... | 420 | 484 | 491 | 518 | .. | 186 | 92 | 129 | 203 |
| *Medicine.* | | | | | | | | | | |
| M.D. ... ... ... | 1 | ... | 1 | 1 | ... | 1 | ... | 1 | 1 | ... |
| Second M.B. & C.M. ... | 4 | 1 | 3 | 4 | 3 | 2 | ... | 3 | 3 | 2 |
| First M.B. & C.M. ... | 3 | 7 | 5 | 10 | 15 | 2 | 5 | 2 | 4 | 8 |
| Preliminary Scientific. | 8 | 10 | 17 | 16 | 12 | 6 | 7 | 11 | 11 | 7 |
| Second L.M.S. ... | 28 | 24 | 29 | 27 | 22 | 11 | 15 | 19 | 11 | 7 |
| First L.M.S. ... ... | 53 | 29 | 11 | 6 | 5 | 22 | 21 | 7 | 3 | 2 |
| L.S.Sc. ... ... ... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| *Engineering.* | | | | | | | | | | |
| Bachelor of Engineering. | 2 | 6 | 7 | 5 | 5 | 2 | 4 | 3 | 5 | 3 |
| First Examination in Engineering. | 9 | 8 | 8 | 10 | 11 | 7 | 6 | 3 | 6 | 5 |
| *Teaching.* | | | | | | | | | | |
| Licentiate in Teaching. Written ... | 45 | 59 | 75 | 68 | 85 | 34 | 35 | 54 | 33 | 47 |
| Licentiate in Teaching. Practical. | 71 | 62 | 68 | 69 | 72 | 44 | 37 | 36 | 32 | 23 |
| Total ... | 4,781 | 5,349 | 5,027 | 5,192 | 5,007 | 2,547 | 2,801 | 2,286 | 2,501 | 2,343 |

The total number of candidates examined and passed fell, respectively, by 185 and 158, or by 3·6 and 6·3 per cent., owing mainly to fewer candidates having registered their names for the B.A. examination. The percentage of passed to examined fell from 48·2 to 46·8. There was an improvement in the proportion of passed to examined at the First examination in Arts, but the results of the examinations in Medicine, Engineering and Teaching compared unfavourably with those of 1897–98.

Cost of the University.

The receipts and charges of the University for the last five years are shown below :—

| | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. |
|---|---|---|---|---|---|
| | RS. | RS. | RS. | RS. | RS. |
| Examination fees ... ... ... ... ... ... | 1,61,442 | 1,65,640 | 1,70,602 | 1,83,339 | 1,86,822 |
| Interest on Government securities ... ... ... ... | 10,998 | 8,554 | 9,243 | 9,252 | 9,692 |
| Miscellaneous ... ... ... ... ... ... ... | 5,974 | 6,728 | 1,306 | 11,196 | 6,911 |
| Total Receipts ... | 1,78,414 | 1,80,922 | 1,81,151 | 2,03,787 | 2,03,425 |
| Remuneration to examiners ... ... ... ... ... | 1,21,809 | 1,34,213 | 1,29,148 | 1,20,301 | 1,38,395 |
| Repairs and municipal taxes ... ... ... ... ... | 5,142 | 4,881 | 4,872 | 3,623 | 2,567 |
| Miscellaneous ... ... ... ... ... ... ... | 31,985 | 43,176 | 37,848 | 41,206 | 39,139 |
| Total Charges ... | 1,58,936 | 1,82,270 | 1,71,868 | 1,65,130 | 1,80,103 |
| Balance ... | + 19,478 | −1,348 | + 9,283 | + 38,657 | + 23,322 |

Taking into account the outstandings and charges due for 1897–93 paid in 1893–99 and the liabilities on the 31st March 1899, the year yielded a profit of Rs. 24,724. A sum of Rs. 25,000 was invested in Government securities last year. There were Rs. 2,90,900 in Government securities and Rs. 51,264 in cash in favour of the University on the 1st April 1899.

### (a) *Arts Colleges.*

M.A. degree examination.

For the M.A. degree examination 26 candidates—4 Native Christians, 1 Muhammadan, 1 non-Brahman Hindu and 20 Brahmans—presented themselves out of 31 who registered their names; and 1 Native Christian, 1 Muhammadan and 7 Brahman candidates, or 9 in all, were successful.

B.A. degree examination.

The results of the B.A. degree examination for the past five years are compared below :—

| — | Year. | English Language division. | Second Language division. | Science division. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mathematics. | Physics. | Chemistry. | Biology and botany. | Biology and animal physiology. | Biology and zoology. | Biology and geology. | Mental and moral science. | History. |
| Examined ... | 1894–95 | 854 | 775 | 106 | 200 | 32 | ... | 1 | 30 | 16 | 212 | 228 |
| | 1895–96 | 926 | 727 | 121 | 219 | 41 | ... | 1 | 44 | 11 | 275 | 298 |
| | 1896–97 | 888 | 720 | 135 | 141 | 43 | ... | .. | 35 | 6 | 269 | 224 |
| | 1897–98 | 936 | 626 | 120 | 156 | 34 | 1 | 3 | 29 | 5 | 223 | 230 |
| | 1898–99 | 700 | 516 | 130 | 153 | 20 | 1 | 1 | 22 | 7 | 178 | 220 |
| | Total ... | 4,304 | 3,364 | 612 | 869 | 170 | 2 | 6 | 160 | 45 | 1,157 | 1,202 |
| Passed ... ... | 1894–95 | 523 | 698 | 51 | 132 | 15 | ... | ... | 20 | 5 | 145 | 132 |
| | 1895–96 | 593 | 587 | 63 | 136 | 16 | ... | ... | 33 | 10 | 171 | 196 |
| | 1896–97 | 333 | 617 | 76 | 87 | 28 | ... | ... | 32 | 5 | 173 | 166 |
| | 1897–98 | 590 | 505 | 52 | 74 | 17 | 1 | 3 | 22 | 3 | 138 | 129 |
| | 1898–99 | 368 | 428 | 65 | 67 | 12 | 1 | 1 | 17 | 1 | 112 | 121 |
| | Total ... | 2,407 | 2,835 | 307 | 496 | 88 | 2 | 4 | 124 | 24 | 739 | 744 |
| Percentage passed. | 1894–95 | 61·2 | 90·1 | 48·1 | 66·0 | 46·9 | ... | ... | 66·7 | 31·3 | 68·4 | 57·9 |
| | 1895–96 | 64·0 | 80·7 | 52·1 | 62·1 | 39·0 | ... | ... | 75·0 | 90·9 | 62·2 | 65·8 |
| | 1896–97 | 37·5 | 85·7 | 56·3 | 61·7 | 65·1 | ... | ... | 91·4 | 83·3 | 64·3 | 74·1 |
| | 1897–98 | 63·0 | 80·7 | 43·3 | 47·4 | 50·0 | 100·0 | 100·0 | 75·9 | 60·0 | 61·9 | 56·1 |
| | 1898–99 | 52·6 | 82·9 | 50·0 | 43·8 | 60·0 | 100·0 | 100·0 | 77·3 | 14·3 | 62·9 | 54·5 |
| | Average. | 55·9 | 84·3 | 50·2 | 57·1 | 51·8 | 100·0 | 66·7 | 77·5 | 53·3 | 63·9 | 61·9 |

In the English Language division the percentage of passed to examined, viz., 52·6, was below the percentage for the previous four years excepting 1896–97. Omitting private students, of whom only 23·4 passed against 41·2 per cent. in 1897–98, the percentage of success was 63·6.

First examination in Arts.

The annexed table shows the percentages of passed to examined in the several subjects of the First examination in Arts during the last five years :—

| Subjects. | 1894–95. | 1895–96. | 1896–97. | 1897–98. | 1898–99. |
|---|---|---|---|---|---|
| English ... ... ... ... ... ... ... ... | 55 | 67 | 49 | 60 | 62 |
| Second language ... ... ... ... ... ... | 82 | 80 | 83 | 80 | 78 |
| Mathematics ... ... ... ... ... ... ... | 55 | 50 | 46 | 54 | 63 |
| Physiology or Physiography ... ... ... ... ... | 66 | 62 | 59 | 64 | 68 |
| History ... ... ... ... ... ... ... ... | 71 | 63 | 72 | 65 | 70 |
| Total ... | 34 | 34 | 30 | 35 | 38 |

Government, board and aided colleges presented, respectively, 164, 77 and 904 candidates, of whom 74, 40 and 378 or 45·1, 51·9 and 41·8 per cent. were

successful. Of the passed candidates, 16 were Europeans, 59 Native Christians, 14 Muhammadans, 511 Brahmans, 138 non-Brahman Hindus and 1 a Parsi. As in 1897–98 Europeans secured the highest percentage and Brahmans ranked next, closely followed by Muhammadans. Brahmans formed 69 per cent. of the entire number against 73 per cent. in the previous year.

Number and strength of arts Colleges.

The 11 first-grade colleges (3 Government, 7 aided and 1 unaided), which furnished returns, had 15 M.A., 1,063 B.A. and 1,252 F.A. students on the rolls on the 31st March 1899, against 25 M.A., 1,003 B.A. and 1,174 F.A. students on the corresponding date in 1898. There was a decrease in the number of M.A. students owing partly to the absence of special encouragement. Neither the B.A. nor the F.A. classes recovered in full the loss they sustained in the previous year. The opening of F.A. classes in the Presentation Convent, Black Town, raised the number of second-grade colleges connected with the Department from 28 to 29, of which 1 was under Government, 3 were under municipal boards, 16 under mission or European management and 9 under native management. The F.A. classes were 1,190 strong, the highest figure on record during the past seven years. The Kerala Vidyasala, Calicut, and the Rajah's college, Parlákimedi excepted, all the second-grade colleges under private and municipal management were in receipt of Government grants. Taking the senior B.A. class, the ratio of students in the first three branches, forming the so-called scientific side, to students in the last two branches, or the literary side, rose steadily from $\frac{24}{41}$ in 1896 to $\frac{24}{25}$ in 1899. The advance is very significant. The percentage of students, however, of the junior B.A. class on the scientific side to the total number, which had hitherto steadily advanced, relapsed from 52 to 48.

### (b) *Law.*

University examinations in law.

One Brahman candidate appeared for and passed the M.L. degree examination of 1899 out of four that registered their names. For the B.L. degree examination 2 European, 7 Native Christian, 2 Muhammadan, 249 Brahman and 57 non-Brahman candidates, or 317 in all, presented themselves; and 2 Native Christians, 2 Muhammadans, 74 Brahmans and 16 non-Brahman Hindus, that is, 94 altogether, or 29·7 per cent., met with success. This is the highest percentage of passed to examined during the past five years. For the First examination in Law, 556 candidates registered their names; but of these only 518 (3 European, 26 Native Christian, 4 Muhammadan, 362 Brahman, and 123 non-Brahman Hindu) candidates appeared for the examination; and 5 Native Christians, 1 Muhammadan, 151 Brahmans, and 46 non-Brahman Hindus, or 203 in all, passed. These results compare very favourably with those of the previous two years. The Law College, Trivandrum, sent up 13 and 32 candidates for the degree and first examinations and passed 1 and 9 candidates, respectively.

Law College, Madras.

The new building for the Law college was occupied early in 1899. On the 31st March there were 417 students on the rolls—399 in the law classes proper and 18 in the pleadership classes against 561 and 51, respectively, on the 31st March 1898. This decrease was due chiefly to the large number of failures in the English Language and Science divisions of the B.A. degree examination of 1897 and 1899. The restriction imposed during the year, whereby students failing at the First examination in Law are not allowed to join the B.L. classes until they pass that examination, must have also contributed to the fall. The gradual overcrowding of the bar may also have had some effect. Of the students, 17 were Native Christians, 5 Muhammadans, 290 Brahmans, and 105 non-Brahman caste Hindus. The average number on the rolls for 1898–99 was 545, and the average daily attendance 436. In consequence of the diminished strength the receipts fell from Rs. 59,593 to Rs. 50,628. The expenditure, including outlay on furniture, was Rs. 49,469. The college thus yielded a surplus of Rs. 1,159, or Rs. 9,345 excluding cost of furniture.

### (c) *Medicine.*

University examinations in medicine.

An analysis of the results of the different examinations is annexed. Of the examined, 7 were Europeans, 13 Native Christians, 2 Muhammadans, 15 Brahmans, and 20 non-Brahman Hindus; and of those that passed, 3 were Europeans, 7

Native Christians, 7 Brahmans and 9 non-Brahman Hindus. Both the Muhammadan candidates were unsuccessful :—

| Examinations. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Examined. | Passed. | Examined. | Passed. |
| Second M.B. and C.M. examination ... | 4 | 3 | 3 | 2 |
| First M.B. and C.M. examination ... | 10 | 4 | 15 | 8 |
| Preliminary Scientific (first M.B. and C.M. under the new regulations) ... | 16 | 11 | 12 | 7 |
| Second L.M.S. examination ... ... | 27 | 11 | 22 | 7 |
| First L.M.S. examination ... ... | 6 | 3 | 5 | 2 |
| Total ... | 63 | 32 | 57 | 26 |

Madras Medical College.

The Madras Medical College is separately dealt with on page 245.

(d) *Engineering.*

University examinations in Engineering.

Five candidates—4 Brahmans and 1 non-Brahman Hindu—appeared for the examination for the degree of Bachelor of Engineering, and 3 Brahmans passed, 1 in the Civil and 2 in the Mechanical branch. For the First examination in Engineering 9 Brahman and 2 non-Brahman Hindu candidates presented themselves, but only 4 Brahmans and 1 non-Brahman met with success.

College of Engineering, Madras.

The Engineer and Engineer subordinate classes contained, respectively, 31 and 65 students, the highest figures on record. The former class has doubled in numbers since 1894. 13 of the students were Europeans, 1 a Native Christian, 79 Brahmans, and 3 non-Brahman caste Hindus. As many as 90 out of 96 students belonged to the richer and middle classes, and officials, traders and landholders contributed together 80 students. Three Engineers and 19 Engineer subordinates completed their practical course, and most of them secured employment. The total expenditure amounted to Rs. 57,173, of which fees and miscellaneous receipts covered Rs. 11,954.

(e) *Teaching.*

Teachers' certificate examinations of the collegiate grades.

For the theoretical and practical examinations for the diploma of Licentiate in Teaching 85 and 72 candidates appeared, of whom 47 and 23, respectively, met with success. At the written and practical tests for second-grade collegiate teachers' certificates 18 and 20 candidates, respectively, passed out of 58 and 27 examined.

Training College, Rajahmundry.

Five graduates and 5 First Arts undergraduates, all Brahmans, were under training in the Rajahmundry Training college against 7 and 5, respectively, on the 31st March 1898.

Teachers' College, Saidapet.

Forty-three graduates and 18 F.A. undergraduates, comprising 13 Native Christians, 45 Brahmans and 3 non-Brahman caste Hindus, were under training in the Teachers' college, against 35 and 21, respectively, on the 31st March 1898. The new Smartha Brahman Hostel worked with great success. The total expenditure amounted to Rs. 23,971, of which Rs. 1,095 were covered by fees and sundry receipts.

(f) *Agriculture.*

College of Agriculture, Saidapet.

The newly-appointed Vice-Principal entered on his duties after the close of the year. The Assistant Agricultural Chemist delivered a course of lectures and held practical classes for one month. There were 46 students on the rolls against 49 in the previous year, including 1 Panchama Native Christian, 2 Muhammadans, 29 Brahmans, and 14 non-Brahman caste Hindus. The results of the Government technical examinations of April 1898, at which 77 passed out of 123 examined, were not so favourable as those of the previous year. A larger number of patients were treated in the veterinary hospital. The farm was worked successfully, the area under cultivation having been extended by 10 acres. Of the total expenditure of Rs. 37,838 on the college, fees and other receipts met Rs. 6,193.

## IV.—Secondary Education.

### (a) *Upper Secondary and Matriculation Examinations.*

Upper Secondary examination.

For the Upper Secondary examination of December last, 187 male and 3 female candidates appeared, of whom only 6 male candidates passed, the percentage of passed to examined, viz., 3, being the lowest during the past five years.

Matriculation examination.

A summary of the general results of the Matriculation examination during the past five years is annexed:

| Year. | Examined. | Passed. | Percentage. |
|---|---|---|---|
| 1894 95 ... ... ... ... ... | 4,150 | 918 | 22 |
| 1895-96 ... ... ... ... ... ... | 4,613 | 1,690 | 37 |
| 1896 97 ... ... ... ... ... ... | 5,329 | 1,642 | 31 |
| 1897 98 ... .. ... ... ... ... | 5,512 | 1,515 | 27 |
| 1898 99 ... ... ... ... .. ... | 5,962 | 1,911 | 32 |

It will be seen that, while the number examined rose during the period by 44 per cent., the number passed rose by 108 per cent. The advance in the percentage of passed to examined is, in all probability, to be attributed as much to the presentation of selected pupils and to variations in the standard of the examination from year to year as to substantial improvement in the quality of the instruction imparted in high schools. The percentage of passed to examined in the different classes of high schools for boys was, as usual, highest in Government Schools (53), followed by unaided and board schools (40 each), aided schools and those in Native States had 38 each. Each class of institution presented a better record. Aided schools sent up the largest number of candidates (2,397). In English, mathematics, and history and geography, a larger proportion of candidates was successful than in the previous year, the figures being 46, 68 and 81 per cent. against 40, 60 and 70 in 1897; but in the second language there was a slight deterioration. Of the candidates, 5,833 were boys and 129 girls, and 1,859 boys and 52 girls met with success. The percentages of successful boys and girls to the number of male and female candidates were 32 and 40, respectively. Of the passed candidates, 68 were Europeans, 181 Native Christians, 29 Muhammadans, 1,251 Brahmans, and 376 non-Brahman Hindus, the remaining 6 being Parsis and Jews, including 2 Parsi women. Europeans and Native Christians did better than Brahmans, while Muhammadans passed the lowest percentage. Brahmans formed 65 per cent. of the total number of successful candidates against 67 per cent. in 1897–98.

### (b) *Public Upper Secondary or High Schools for Boys.*

Number and strength of upper secondary or high schools for boys.

The number of these schools rose from 140 to 144 and their strength from 38,548 to 39,376, an advance in schools of 2·9 per cent. and in pupils of 2·1 per cent. Pupils in the upper secondary, lower secondary and primary departments advanced by 1·6, 1·6 and 4·6 per cent., respectively. Particulars for the past two years of the number and strength of upper secondary schools in each district group are given hereunder:—

| District groups. | Number of schools. | Strength on the 31st March 1898. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Upper secondary department. | | | Lower secondary department. | | | Upper primary department. | Lower primary department. | Total. |
| | | Sixth form. | Fifth form. | Fourth form. | Third form. | Second form. | First form. | | | |
| Northern Circars ... | 23 | 761 | 563 | 861 | 1,186 | 1,073 | 1,162 | 386 | 569 | 6,561 |
| Ceded districts ... | 9 | 189 | 131 | 191 | 294 | 307 | 302 | 47 | 93 | 1,554 |
| Central do. ... | 41 | 1,733 | 1,039 | 1,474 | 1,554 | 1,750 | 1,749 | 1,090 | 2,618 | 13,007 |
| Southern do. ... | 36 | 1,754 | 1,231 | 1,610 | 1,535 | 1,466 | 1,624 | 507 | 875 | 10,602 |
| Inland do. ... | 14 | 333 | 244 | 304 | 491 | 506 | 627 | 126 | 297 | 2,928 |
| West Coast do. ... | 17 | 686 | 435 | 540 | 506 | 553 | 657 | 195 | 324 | 3,896 |
| Total ... | 140 | 5,456 | 3,643 | 4,980 | 5,566 | 5,655 | 6,121 | 2,351 | 4,776 | 38,548 |
| | | 14,079 | | | 17,342 | | | | | |

| District groups. | Number of schools. | Strength on the 31st March 1899. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Upper secondary department. | | | Lower secondary department. | | | Upper primary department. | Lower primary department. | Total. |
| | | Sixth form. | Fifth form. | Fourth form. | Third form. | Second form. | First form. | | | |
| Northern Circars ... | 23 | 800 | 630 | 942 | 1,186 | 1,118 | 1,184 | 402 | 595 | 6,857 |
| Ceded districts ... | 9 | 171 | 124 | 176 | 262 | 268 | 249 | 41 | 93 | 1,384 |
| Central do. ... | 40 | 1,573 | 1,091 | 1,364 | 1,603 | 1,571 | 1,646 | 1,012 | 2,296 | 12,156 |
| Southern do. ... | 37 | 1,667 | 1,317 | 1,686 | 1,596 | 1,525 | 1,831 | 588 | 993 | 11,203 |
| Inland do. ... | 18 | 392 | 288 | 398 | 594 | 596 | 672 | 221 | 699 | 3,860 |
| West Coast do. ... | 17 | 684 | 466 | 534 | 502 | 556 | 657 | 179 | 338 | 3,916 |
| Total ... | 144 | 5,287 | 3,916 | 5,100 | 5,743 | 5,634 | 6,239 | 2,443 | 5,014 | 39,376 |
| | | | 14,303 | | | 17,616 | | | | |

Upper secondary schools according to management.

The classification of upper secondary schools for boys according to managing agencies will be found below :—

| District groups. | 1897-98. | | | | 1898-99. | | | |
|---|---|---|---|---|---|---|---|---|
| | Government schools. | Board schools. | Aided schools. | Unaided schools. | Government schools. | Board schools. | Aided schools. | Unaided schools. |
| Northern Circars ... | 1 | 3 | 14 | 5 | 1 | 3 | 15 | 4 |
| Ceded districts ... | ... | 5 | 4 | ... | ... | 5 | 4 | ... |
| Central do. ... | 2 | 2 | 31 | 6 | 2 | 2 | 31 | 5 |
| Southern do. ... | ... | 4 | 28 | 4 | ... | 4 | 27 | 6 |
| Inland do. ... | ... | 7 | 7 | ... | 1 | 7 | 8 | 2 |
| West Coast do. ... | 1 | 4 | 9 | 3 | 1 | 4 | 9 | 3 |
| Total ... | 4 | 25 | 93 | 18 | 5 | 25 | 94 | 20 |

The Lawrence Asylum, Ootacamund, has been raised to the upper secondary grade, a fourth form having been opened in March. There was no change in the number of board high schools. There was a net increase of one aided school and of 2 unaided schools. Of the 94 aided and 20 unaided schools, 61 aided and 3 unaided schools were under mission management. The average strength of the upper secondary department of Government, board, aided and unaided schools was 76, 75, 105 and 110, respectively, against 78, 71, 111 and 94 in the previous year.

### (c) *Lower Secondary Examination.*

Lower Secondary examination.

In consequence chiefly of the concession allowing pupils of the fourth and higher forms of recognized schools to appear for the Lower Secondary examination as private candidates, the number of private male candidates rose from 1,772 to 2,734. The number of male pupil-candidates also rose from 6,766 to 7,774. The results of the examination for the past five years are given below :—

| Year. | Examined. | Passed for complete certificates. | Passed in a portion of the examination. |
|---|---|---|---|
| 1894-95 ... ... ... ... | 5,661 | 1,204 | 1,438 |
| 1895-96 ... ... ... ... | 6,549 | 1,600 | 2,516 |
| 1896-97 ... ... ... ... | 8,430 | 1,600 | 2,287 |
| 1897-98 ... ... ... ... | 8,538 | 1,832 | 2,316 |
| 1898-99 ... ... ... ... | 10,508 | 2,397 | 2,125 |

This large increase in the number examined and passed is remarkable, seeing that the examination is not obligatory on any but candidates for admission into training schools and that only 1,145 of the male candidates were presented for results grants. The most noteworthy increase in the number passed was under Native Christians and non-Brahman Hindus. Brahmans formed about 55 per cent. of the total number of passed candidates.

### (d) *Public Lower Secondary or Middle Schools for Boys.*

Number and strength of lower secondary or middle schools for boys.

The following table shows the number of these schools and their total strength, distributed between the lower secondary and primary departments, for the last five years:—

| Year. | Number of schools. | Strength of lower secondary department. | Strength of primary department. | Total. |
|---|---|---|---|---|
| 1894-95 ... ... | 400 | 13,784 | 19,468 | 33,252 |
| 1895-96 ... ... | 395 | 14,089 | 20,134 | 34,223 |
| 1896-97 ... ... | 410 | 15,370 | 20,388 | 35,758 |
| 1897-98 ... ... | 384 | 15,604 | 18,212 | 33,816 |
| 1898-99 ... ... | 386 | 16,255 | 17,832 | 34,087 |

English schools increased by 6, while vernacular schools lost 4 of their number; but the lower secondary departments of both English and vernacular schools were stronger than in 1897–98. On an average the lower secondary department of each English school was 50 strong as in the previous year, while that of each vernacular school was 22 strong against 20.

### (e) *Results Grants Examination.*

Results grants examination of the lower secondary standards.

For results grants for the fifth, sixth and seventh standards, respectively, the number of schools presenting pupils were 178, 138 and 112 against 173, 125 and 96 in 1897–98. The number of schools that passed pupils were 174, 134 and 99 compared with 169, 121 and 89 in the previous year. A steady increase is noticeable in both respects. The following table shows particulars as to the number of male pupils presented and passed under each of the above standards during the past two years:—

| Classes of schools. | Presented. | | | | | | Passed. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Fifth standard. | | Sixth standard. | | Seventh standard. | | Fifth standard. | | Sixth standard. | | Seventh standard. | |
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. |
| Board schools ... ... .. | 391 | 374 | 204 | 219 | 141 | 156 | 273 | 242 | 131 | 146 | 65 | 42 |
| Mission results schools ... | 665 | 708 | 365 | 433 | 254 | 311 | 416 | 448 | 264 | 277 | 104 | 118 |
| Non-mission results schools ... | 905 | 1,068 | 705 | 831 | 637 | 685 | 522 | 580 | 432 | 498 | 302 | 196 |
| Total ... | 1,961 | 2,150 | 1,274 | 1,483 | 1,032 | 1,152 | 1,211 | 1,270 | 827 | 921 | 471 | 356 |

## V.—Primary Education.

### (a) *Primary Examination and Primary Standard Examinations.*

Primary examination.

The Primary Examination Notification was revised during the year with a view to remove the difficulty experienced by the managers of industrial schools in preparing pupils for the examination. During the year the Primary examination was conducted at 286 centres by 29 boards consisting of 633 members in all; 34,049 candidates were examined, and of these, 25,943 passed for complete certificates or in a portion of the examination. Pupil-candidates came up from 4,039 boys' and 368 girls' schools as against 3,944 boys' and 349 girls' schools in the previous year. The number of private male candidates rose by 55 per cent., the large increase being due to the examination having been thrown open to pupils of all forms in recognized secondary schools. Of the pupil, teacher and private male candidates who appeared for the compulsory and optional subjects together, 57, 67 and 65 per cent., respectively, passed as against 51, 63 and 57 per cent. in 1897–98. The total number of candidates, male and female, who completed the

test during the year, was 18,332. Out of 34,049 examined, 15,991 passed in the compulsory and two optional subjects, and 9,952 in a portion of the examination only; the corresponding figures for 1897–98 were 31,567, 13,817 and 9,167, respectively. The receipts from entrance fees, together with fees for certificates paid by pupil-candidates, amounted to Rs. 25,416, and covered nearly 81 per cent. of the charges which amounted to Rs. 31,417. The net cost to Government on account of the examination was thus Rs. 6,001, which was met by a portion of the profit realized from the Lower Secondary examination.

### (b) *Public Primary Schools for Boys.*

Primary schools for boys.

The following statement compares the number and strength of upper primary and lower primary day and night schools at the close of each of the past five years:—

| Year. | Number of schools. | | | Number of pupils in | | |
|---|---|---|---|---|---|---|
| | Upper primary. | Lower primary. | Total. | Upper primary schools. | Lower primary schools. | Total. |
| 1894 95 ... ... .. | 4,227 | 14,625 | 18,852 | 189,769 | 356,268 | 546,037 |
| 1895 96 ... ... ... ... | 4,633 | 14,636 | 19,269 | 206,928 | 352,437 | 559,365 |
| 1896 97 ... ... . ... | 4,977 | 15,015 | 19,992 | 222,284 | 361,680 | 583,964 |
| 1897–98 ... ... ... ... | 4,951 | 14,875 | 19,826 | 221,574 | 359,797 | 581,371 |
| 1898 99 ... ... ... ... | 5,026 | 14,963 | 19,989 | 226,329 | 360,922 | 587,251 |

An increase will be noticed both in the number and in the strength of upper primary and lower primary schools, which very nearly made good the loss sustained in the previous year in the total number of schools, and more than made good the loss in the total strength. These variations being slight call for no special remarks. Public night schools fell by 26, while their strength showed a slight increase. Of the upper primary and lower primary schools 4,928 and 12,387, respectively, were recognized—1,481 and 400 being entered in the permanent, and 3,447 and 11,987 in the temporary, section of the general school list.

Primary schools for boys according to management.

Particulars are furnished below for the past two years of the number and strength of primary schools for boys, classified according to the managing agencies:—

| Schools according to agency. | Standard of schools. | 31st March 1898. | | 31st March 1899. | |
|---|---|---|---|---|---|
| | | Schools. | Pupils. | Schools. | Pupils. |
| *Under public management.* | | | | | |
| Government schools ... ... ... ... | Upper primary ... | 131 | 5,562 | 154 | 5,920 |
| | Lower do. ... | 57 | 1,438 | 37 | 981 |
| Board schools ... ... ... ... ... | Upper primary ... | 2,118 | 102,811 | 2,057 | 102,431 |
| | Lower do. ... | 875 | 31,307 | 758 | 27,018 |
| *Under private management.* | | | | | |
| Aided schools ... ... ... ... ... | Upper primary ... | 2,355 | 103,140 | * 2,483 | 107,953 |
| | Lower do. .. | 8,470 | 215,751 | † 8,449 | 218,519 |
| Unaided schools ... ... ... ... ... | Upper primary ... | 347 | 10,061 | ‡ 332 | 10,025 |
| | Lower do. ... | 5,473 | 111,301 | § 5,719 | 114,404 |
| Total | Upper primary ... | 4,951 | 221,574 | 5,026 | 226,329 |
| | Lower do. ... | 14,875 | 359,797 | 14,963 | 360,922 |
| | Grand total ... | 19,826 | 581,371 | 19,989 | 587,251 |

* 556 schools with 28,118 pupils were under mission management.
† 1,498 schools with 37,878 do. do.
‡ 34 schools with 1,315 do. do.
§ 601 schools with 11,329 do. do.

Primary schools for boys managed by Government.

To the list of Government schools there were three additions, owing to the revival of the Muhammadan salary-results school in Madras, which had been temporarily closed, to the reduction of the Kotpad middle school in the Vizagapatam agency to the primary grade, and to the taking over by Government of the training and practising sections of the Tinnevelly Technical Institute. The number and strength of the different classes of schools are compared below :—

| Schools | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Number. | Strength. | Number. | Strength. |
| Reformatory school, Chingleput ... ... | 1 | 151 | 1 | 149 |
| Practising sections of training schools for masters ... ... ... ... .. | 23 | 1,886 | 24 | 1,874 |
| Hill schools, Ganjám agency ... ... | 54 | 1,881 | 54 | 1,807 |
| Do. Vizagapatam agency ... ... | 48 | 1,437 | 49 | 1,406 |
| Do. Gódávari agency ... ... | 48 | 1,059 | 48 | 1,090 |
| Muhammadan Salary-results schools, Madras .. ... ... | 14 | 586 | 15 | 575 |
| Total .. | 188 | 7,000 | 191 | 6,901 |

Each class of schools suffered slightly in strength, schools in the Gódávari agency excepted. But of the pupils 1,174, or 17 per cent. against 15 per cent., were in the upper primary stage. Of the 4,303 pupils in the agency schools, 1,111 belonged to the aboriginal tribes.

Primary schools under local boards and municipalities.

Of the 2,057 upper primary board schools, 1,892 schools with 11,498 and 79,366 pupils in the upper primary and lower primary stages, respectively, were under local fund boards, and 165 schools with 1,968 and 9,599 pupils in the upper primary and lower primary stages were under municipal councils. Of the 758 lower primary board schools, 643 schools with 22,287 pupils were under local fund boards and 115 schools with 4,731 pupils under municipal councils. The decrease under local fund schools and pupils was due to the abolition of schools by certain boards, chiefly with a view to set free more funds for communications. Of the total number of pupils in local fund and municipal primary schools, 10 and 12 per cent., respectively, were in the upper primary stage.

Aided and unaided primary schools for boys.

Aided primary schools received an accession of 107 to their number and 7,581 to their strength; but the increase under schools was confined to upper primary schools. Unaided primary schools also rose in both number and strength, and here the increase was confined to lower primary schools. This is due to new schools coming under this category being generally of an elementary standard. Of the total number of pupils in aided and unaided primary schools, 6 and 1·5 per cent., respectively, were in the upper primary stage. This bears a poor comparison with board schools.

Primary schools for boys according to districts.

The following summary compares the number of upper primary and lower primary schools in the several district groups for the past two years :—

| District groups. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Upper primary. | Lower primary. | Upper primary. | Lower primary. |
| Northern Circars ... ... ... ... | 1,414 | 3,760 | 1,488 | 3,878 |
| Ceded districts ... ... ... ... | 576 | 2,086 | 656 | 2,191 |
| Central do. ... ... ... ... ... | 960 | 3,317 | 921 | 3,216 |
| Southern do. ... ... ... ... ... | 980 | 3,242 | 977 | 3,285 |
| Inland do. ... ... ... ... ... | 475 | 1,476 | 459 | 1,425 |
| West Coast districts ... ... ... ... | 546 | 994 | 525 | 968 |
| Total ... | 4,951 | 14,875 | 5,026 | 14,963 |

Male pupils in the primary stage of instruction.

Taking all classes and grades of public schools, there were 557,238 boys in the primary stage of instruction at the close of March 1899 against 552,674 on the corresponding date in 1898. The percentage of such boys to the male population of school age rose from 20·1 to 21·1. If 96,622 boys attending indigenous and private primary schools be included, the total number receiving primary education works out to 653,860 and the percentage to the school-going male population to 24·7 against 647,136 and 24·5 per cent. in 1897–98.

### (c) *Results Grants Examination.*

Number of pupils presented and passed.

The following table shows the number of boys who were presented and also the number who passed under each primary standard:—

| Standards. | Number of boys presented. | | Number of boys passed. | |
|---|---|---|---|---|
| | 1897–98. | 1898–99. | 1897–98. | 1898–99. |
| Infant ... ... ... | 50,081 | 49,822 | 37,515 | 37,054 |
| First ... ... ... | 59,881 | 59,404 | 46,956 | 46,366 |
| Second ... ... ... | 49,499 | 51,613 | 38,188 | 39,972 |
| Third ... ... ... | 36,453 | 38,524 | 24,709 | 26,211 |
| Fourth ... ... ... | 18,860 | 19,356 | 13,032 | 14,280 |

As in the previous year the figures exclude those examined for results stipends. Of the boys presented for the infant, first, second, third and fourth standards, 74·4, 78·0, 77·4, 68·0 and 73·8 per cent., respectively, passed as against 74·9, 78·4, 77·1, 67·8 and 69·1 per cent. in the previous year.

## VI.—Special Education.

### (a) *Public Examinations in connection with Special Education.*

Teachers' Certificate examinations.

For the written examination for teachers' certificates of the secondary and primary grades, 2,534 candidates appeared and 1,303 passed, against 2,174 and 1,170 in 1897–98. 1,343 appeared for, and 995 passed, the practical test as compared with 1,395 and 1,063 in the previous year. Technical teachers' certificates of the advanced, intermediate and elementary grades were granted to 3, 32 and 31 candidates in two, nine and five subjects, respectively.

Government Technical examinations.

New syllabuses in metal work, materia medica, practical pharmacy and dispensing, and special syllabuses in botany and inorganic chemistry were sanctioned. The syllabuses in shorthand were revised. The following is a summary of the results of the examinations held under the Government Technical Examination scheme for the past five years:—

| Grade of examination. | 1894–95. | | 1895–96. | | 1896–97. | | 1897–98. | | 1898–99. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Examined. | Passed. | Examined. | Passed. | Examined. | Passed. | Examined. | Passed. | Examined. | Passed. |
| Advanced ... ... ... ... ... ... | 32 | 14 | 54 | 15 | 52 | 18 | 59 | 28 | 64 | 28 |
| Intermediate ... ... ... ... ... | 633 | 380 | 682 | 384 | 945 | 457 | 936 | 453 | 1,058 | 510 |
| Elementary ... ... ... ... ... | 1,183 | 595 | 1,751 | 982 | 2,238 | 1,002 | 2,502 | 1,224 | 2,858 | 1,143 |
| Total ... | 1,848 | 989 | 2,487 | 1,381 | 3,235 | 1,477 | 3,497 | 1,705 | 3,980 | 1,681 |

### (b) *Schools and Classes for Special Education.*

Number and strength of schools and classes for special education.

The number and strength of schools for special education of boys and girls for the past five years are compared below:—

| Classes of institutions. | Institutions. | | | | | Individual students. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. | 1894-95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. |
| (A) Training schools— | | | | | | | | | | |
| (i) Training schools for masters | 38 | 41 | 42 | 42 | 42 | 1,185 | 1,171 | 1,131 | 1,200 | 1,144 |
| (ii) Training schools for mistresses | 19 | 19 | 19 | 19 | 19 | 309 | 315 | 317 | 307 | 326 |
| (iii) Training schools for gymnastic instructors ... ... ... ... | 1 | 2 | 2 | 2 | 2 | 17 | 15 | 41 | 53 | 55 |
| (iv) Sessional schools ... ... ... | 17 | 20 | 20 | 16 | 17 | 183 | 215 | 247 | 187 | 219 |
| (B) Schools of medicine ... ... ... | 3 | 3 | 3 | 2 | 2 | 384 | 399 | 423 | 432 | 410 |
| (C) Technical, industrial or art schools— | | | | | | | | | | |
| (i) Higher-class technical, industrial or art schools, teaching subjects coming under two or more groups of the Technical Examination scheme. | 15 | 13 | 15 | 14 | 14 | 1,801 | 2,140 | 1 948 | 2,006 | 1,668 |
| (ii) Higher-class technical, industrial or art schools, teaching subjects coming under only one group of the Technical Examination scheme | 18 | 18 | 17 | 24 | 24 | 1,138 | 1,147 | 1,142 | 1,283 | 1,386 |
| (iii) Lower-class industrial or art schools, teaching standards A to D according to the curriculum laid down in the Madras Educational Rules ... | 3 | 5 | 4 | 9 | 8 | 96 | 143 | 137 | 213 | 253 |
| Total ... | 114 | 121 | 122 | 128 | 128 | 5,113 | 5,545 | 5,386 | 5,681 | 5,461 |

No change took place in the total number of schools, but the strength fell, training, medical and higher-class technical schools having contributed to the decrease. The above figures do not include 719 pupils receiving instruction in technical, industrial or art subjects in institutions for general education.

## (A) Training Schools.

### (i) *Training Schools for Masters.*

Number and strength of training schools for masters.

As in the previous year 42 training schools for masters were at work, but their strength on the 31st March last was 1,144, or 56 fewer than on the corresponding date in 1898. Government having taken under its management the training section of the Technical Institute, Tinnevelly, the number of Government training schools rose from 30 to 31, while that of board training schools fell from 2 to 1. The distribution of the schools according to management is given in the subjoined statement :—

| | Number. | Strength. |
|---|---|---|
| Under Government management ... ... ... ... | 31 | 901 |
| Under Board management ... ... ... ... ... | 1 | 37 |
| Under private management ... ... ... ... ... | 10 | 206 |
| Total ... | 42 | 1,144 |

Of the 10 training schools under private management, 9 were maintained from mission funds, and 9 received State aid. Of the Government training schools, 1 (Madras) was exclusively intended for Muhammadans, 1 (Malappuram) for Mapillas, 1 (Madras) for Panchamas and 2 (Russellkonda and Jeypur) chiefly for teachers in the hill tracts of Ganjám and Vizagapatam, respectively. The schools under private management were mainly for Native Christians. Seven of the schools were of the upper secondary, 19 of the lower secondary, and 16 of the primary grade. In all the schools 71 students were being prepared for upper secondary, 240 for lower secondary and 833 for primary teachers' certificates, against 85, 230 and 885, respectively, on the 31st March 1898. The increase in the number of lower secondary teachers, though small, is satisfactory. The strength of the practising sections, which are attached to 41 of the

schools, also fell from 4,237 to 4,179. All the schools continued to be borne on the list of recognized institutions. 78, 177 and 672 students passed at the written examination for teachers' certificates of the upper and lower secondary and primary grades, respectively, against 60, 181 and 579 in 1897–98. The percentages of passed to examined for teachers' certificates in these grades were, respectively, 45, 46 and 56 against 41, 55 and 58.

Expenditure in training schools for masters.

The expenditure in training schools for masters during each of the past five years is given below. It includes the outlay on stipends, but not the special grants for furniture, apparatus and buildings :—

| Year. | Average number on the rolls. | From provincial funds. | From local funds. | From municipal funds. | From fees. | From other sources. | Total. |
|---|---|---|---|---|---|---|---|
| | | RS. | RS. | RS. | RS. | RS. | RS. |
| 1894-95 ... | 1,124 | 1,09,110 | 5,409 | 612 | 60 | 14,364 | 1,29,555 |
| 1895-96 ... | 1,107 | 1,19,643 | 4,181 | 1,102 | 186 | 20,592 | 1,45,704 |
| 1896 97 ... | 1,038 | 1,18,183 | 4,515 | 499 | 155 | 17,708 | 1,41,060 |
| 1897-98 ... | 1,096 | 1,18,033 | 4,514 | 634 | 434 | 11,667 | 1,35,282 |
| 1898-99 ... | 1,147 | 1,18,592 | 3,779 | 823 | 256 | 10,814 | 1,34,264 |

There was in the total expenditure a slight decrease, the bulk of it appertaining to private funds. Public funds met 92 per cent. of the charges and the cost to Government per student fell from Rs. 108 to Rs. 103.

### (ii) *Training Schools for Mistresses.*

Number and strength of training schools for mistresses.

Training schools for mistresses remained the same in number, viz., 19, but increased slightly in strength from 307 to 326, the highest reached within the past five years. The increase was chiefly confined to the southern districts. Five schools were of the upper secondary, 12 of the lower secondary, and 2 of the primary grade, and in these schools 21, 147 and 158 students were being prepared for upper secondary, lower secondary, and primary grade teachers' certificates, against 22, 131 and 154 on the 31st March 1898. The distribution of students among the classes of the community is shown below :—

| Classes. | 1895. | 1896. | 1897. | 1898. | 1899. |
|---|---|---|---|---|---|
| Europeans ... ... ... ... ... | 39 | 42 | 29 | 32 | 40 |
| Native Christians ... ... ... ... | 240 | 245 | 259 | 238 | 241 |
| Muhammadans ... ... ... ... | 16 | 7 | 14 | 18 | 19 |
| Brahmans ... ... ... ... ... | 2 | 1 | 1 | 2 | 3 |
| Non-Brahman caste Hindus ... ... | 12 | 20 | 13 | 14 | 21 |
| Panchamas ... ... ... ... ... | ... | ... | 1 | 3 | 2 |
| Total ... | 309 | 315 | 317 | 307 | 326 |

There was an increase in the number of students who passed the written examination for teachers' certificates and who entered the teaching profession. Of the candidates who appeared for the upper and lower secondary, and primary grade teachers' certificate examination 67, 37 and 60 per cent., respectively, passed against 51, 38 and 63 per cent. Of the students trained in 1895–96 and the two succeeding years, 81 remained unemployed on the 31st March last.

### (iii) *Training Schools for Gymnastic Instructors.*

Training schools for gymnastic instructors.

The special classes attached to the Teachers' College and the Rajahmundry College for the training of gymnastic instructors contained 45 and 10 students, respectively, against 41 and 10 on the 31st March 1898. The following statement shows with reference to the Teachers' College gymnasium the number on the rolls, the number who obtained certificates and employment during the last five years :—

| Year. | Number on the rolls. | Number that passed for certificates. | Number that obtained employment. |
|---|---|---|---|
| 1894-95 .. ... ... | 17 | 57 | 43 |
| 1895-96 ... ... ... ... | 7 | 35 | 25 |
| 1896-97 ... ... ... ... | 33 | 28 | 21 |
| 1897-98 ... .. ... ... | 41 | 39 | 21 |
| 1898-99 ... ... ... ... | 45 | 49 | 27 |

Eight of the students of the Rajahmundry gymnastic class were examined for certificates, and all of them passed, one being placed in the first class. Of the 55 students attending both the classes, 2 were Native Christians, 2 Muhammadans, 35 Brahmans, and 16 non-Brahman caste Hindus, and 43 belonged to the poorer classes. The total expenditure on these classes amounted to Rs. 2,848.

### (iv) *Sessional Schools.*

Sessional schools.

84 sessional schools were held during the year. They were attended by 999 teachers. 17 schools with 219 teachers were in existence on the 31st March last. For the Primary Examination, 892 teachers appeared from the sessional schools, 857 for the complete test, 13 for the compulsory subjects only, and 22 for optional subjects only. Of these, 579 passed the complete test, 79 the compulsory subjects, and one optional subject, 35 the compulsory subjects only, and 12 the optional subjects only. The expenditure on the schools amounted to Rs. 19,041.

## (B) Schools of Medicine.

Medical schools.

As in 1897–98 two medical schools were at work, viz., the school department of the Madras Medical College and the Prince of Wales' Medical school, Tanjore, containing, respectively, 360 and 50 pupils against 385 and 47 on the 31st March 1898. Of the pupils attending the Madras Medical school, 78 (including 29 women) were being prepared for the Apothecary diploma, 186 for the Hospital Assistant certificate, and 96 for certificates as Sanitary Inspectors. All the pupils of the Tanjore Medical school were being prepared for the Hospital Assistant certificate. Europeans contributed 75 pupils, Native Christians 68, Muhammadans 36, Brahmans 109, non-Brahman caste Hindus 112, and Parsis 10. At the final examination for the Hospital Assistant grade held in March 1899, the Madras and Tanjore schools presented, respectively, 68 and 21 pupils, of whom 55 and 14 met with success. The expenditure on medical schools amounted to Rs. 95,881, of which local funds met Rs. 32,243, municipal funds Rs. 21,020 and fees and sundry receipts Rs. 12,206.

## (C) Technical, Industrial or Art Schools.

Number and strength of higher class technical, industrial or art schools.

As in the previous year, there were 14 technical, industrial or art schools in which instruction was being given in subjects coming under two or more groups of the Technical examination scheme; but their strength fell from 2,006 to 1,668 or by over 16 per cent. Eight of the institutions participated in the decrease. The total number of subject-candidates fell in consequence from 3,278 to 2,832. Fewer pupils were learning engineering, physical science, commerce, music,

drawing and textile industries. The following statement relates to schools of this class:—

| Schools. | Individual students. | | Subject students. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31st March 1898. | 31st March 1899. | Engineering. | Physical science. | Agriculture. | Commerce. | Music. | Drawing. | Jewellers' work. | Printing, book-binding, &c. | Woodwork and metal work. | Textile industries. | Tailoring and dress making. | Glass and pottery. |
| *Government.* | | | | | | | | | | | | | | |
| School of Arts, Madras ... ... | 546 | 525 | ... | ... | ... | ... | ... | 606 | 67 | ... | 61 | 11 | ... | 34 |
| *Board.* | | | | | | | | | | | | | | |
| Industrial School, Bezwada ... | 35 | 37 | 27 | ... | ... | ... | ... | 37 | ... | ... | 10 | ... | ... | ... |
| Technical Institute, Madura ... | 285 | 263 | 11 | ... | 66 | ... | ... | 263 | ... | ... | 69 | ... | ... | ... |
| *Aided.* | | | | | | | | | | | | | | |
| Chengalvaraya Nayakar's Commercial School, Madras ... | 98 | 100 | 18 | ... | ... | 127 | ... | ... | ... | ... | ... | ... | ... | ... |
| Anjuman-i-Muffid-i-Ala-i-islam, Madras ... ... ... ... | 257 | 117 | 140 | ... | ... | ... | ... | 50 | ... | ... | ... | 26 | ... | ... |
| St. Patrick's Orphanage, Adyar... | 63 | 62 | 25 | ... | ... | 4 | 18 | 50 | ... | ... | ... | ... | 25 | ... |
| H.L.G. Mission School, Tirupati ... ... ... ... | 13 | 19 | 6 | ... | ... | 13 | ... | ... | ... | ... | ... | ... | ... | ... |
| American Mission Industrial School, Arni ... ... ... | 67 | 74 | 43 | ... | ... | ... | ... | ... | ... | 11 | 7 | 5 | 6 | ... |
| Albert Victor Technical Institute, Trichinopoly ... ... ... | 211 | 73 | 83 | 36 | ... | 48 | ... | ... | ... | ... | ... | ... | ... | ... |
| St. Joseph's College Special Classes, Trichinopoly ... ... | 115 | 80 | 24 | ... | ... | 56 | ... | ... | ... | ... | ... | ... | ... | ... |
| S.P.G. Boys' School, Puthúr, Trichinopoly ... ... ... | 34 | 40 | 19 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21 | ... |
| Art Industrial School for Boys, Nazareth ... ... ... | 149 | 160 | 77 | ... | ... | ... | ... | 160 | ... | ... | 69 | 122 | 73 | ... |
| Art Industrial School for Girls, Nazareth ... ... ... | 40 | 28 | ... | ... | ... | ... | ... | 28 | ... | ... | ... | 48 | ... | ... |
| Wesleyan Mission Industrial School, Karúr ... ... ... | 93 | 90 | 56 | ... | ... | ... | 17 | 25 | ... | ... | 16 | 18 | ... | ... |
| Total ... | 2,006 | 1,668 | 529 | 36 | 66 | 248 | 35 | 1,219 | 67 | 11 | 232 | 230 | 125 | 34 |

In three out of four subjects, in which there was an increase in 1897–98, there was a decrease last year, the decrease being due to the fall in the number of individual pupils.

Classes of the community represented at the technical, industrial or art schools or classes.

The different classes of the community were represented in the technical, industrial or art schools as shown in the annexed statement:—

| Classes. | 1898. | 1899. |
|---|---|---|
| Europeans ... ... ... ... ... ... ... ... | 576 | 594 |
| Native Christians ... ... ... ... ... ... ... | 685 | 682 |
| Muhammadans ... ... ... ... ... ... ... ... | 456 | 332 |
| Brahmans .. ... ... ... ... ... ... .. | 519 | 520 |
| Non-Brahman caste Hindus ... ... ... ... ... ... | 1,207 | 1,087 |
| Panchamas ... ... ... ... ... ... ... ... | 42 | 91 |
| Others ... ... ... ... ... ... ... ... ... | 17 | 1 |
| Total ... | 3,502 | 3,307 |

Work done by technical, industrial or art schools or classes.

97 men trained in these schools are reported to have secured employment during the year. But a correct and complete history of all former students is not kept in most schools, and the above figure represents only the number whose movements were known at the time of the preparation of the annual returns. Articles of the value of Rs. 53,631 were produced in 25 of the schools; they realized Rs. 47,280 from the sale of articles, the manufacture of which cost them Rs. 32,879, and the surplus, approximating 44 per cent., represents the value of labour and profit.

The expenditure in technical, industrial or art schools or classes for the past five years is compared below :— Expenditure in technical, industrial or art schools or classes.

| Year. | From provincial funds. | From local funds. | From municipal funds. | From fees. | From other sources. | Total. |
|---|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1894-95 ... ... ... | 73,988 | 1,152 | 1,607 | 21,949 | 72,025 | 1,70,721 |
| 1895-96 ... ... ... | 66,014 | 4,210 | 1,608 | 21,598 | 80,991 | 1,74,421 |
| 1896-97 ... ... .. | 72,216 | 3,291 | 1,817 | 19,051 | 79,304 | 1,75,679 |
| 1897-98 ... ... .. | 79,862 | 6,693 | 1,655 | 20,366 | 79,200 | 1,87,776 |
| 1898-99 ... ... ... | 69,949 | 7,756 | 2,499 | 19,449 | 96,431 | 1,96,084 |

The total expenditure increased by Rs. 8,308. Provincial funds met 36 per cent. of the total charges. It is encouraging to note that a larger proportion of the cost was met from the school receipts.

## VII.—Female Education.

### (a) *General Condition of Female Education.*

There was a steady, though very slight, improvement in the condition of female education. The summary annexed gives the number of girls' schools, and the total number of girls under instruction at the close of the past five years :— General condition of female education.

| Years. | Number of institutions for girls. | | Number of girls attending | |
|---|---|---|---|---|
| | Public institutions. | Private institutions. | Public institutions. | Private institutions. |
| 1894-95 ... ... ... ... ... | 1,000 | 29 | 100,125 | 7,698 |
| 1895-96 ... ... ... ... ... | 1,000 | 29 | 102,162 | 8,298 |
| 1896-97 ... ... ... ... ... | 1,034 | 48 | 107,465 | 9,282 |
| 1897-98 ... ... ... ... ... | 1,089 | 43 | 111,014 | 9,799 |
| 1898-99 ... ... ... ... ... | 1,105 | 43 | 113,631 | 10,653 |

Taking all classes and grades of institutions together, the total number of institutions for girls advanced by 1·4 per cent., and the number of girls at school rose by 2·9 per cent. The number of girls attending boys' schools was 67,778, or over half the total number of girls under instruction.

### (b) *University Examinations.*

Three female candidates—2 Europeans and 1 Native Christian—presented themselves for the English and Second language divisions of the last B.A. degree examination and all passed, 1 being placed in the first class. Five candidates—4 Europeans and 1 Native Christian—appeared for the Science division and 3 passed. These results are encouraging. At the last F.A. examination, there were 22 female candidates—16 Europeans, 5 Native Christians and 1 Parsi—but only 6 passed, all of them being Europeans. The total number of women who have passed the F.A. examination since the institution of the examination rose from 25 to 31, of whom 26 were Europeans and 5 Native Christians. University examinations.

### (c) *Colleges for Women.*

Two colleges for women were at work, viz., the Sarah Tucker college at Palamcottah, and the Presentation Convent college, Black Town, Madras, the former with 3 and the latter with 4 students. 18 women, however, were attending colleges intended for men, 4 of them attending the Presidency college, and 12 the Doveton college. Colleges for women.

### (d) *Public Upper Secondary or High Schools for Girls.*

The following summary compares the number of upper secondary or high schools for girls, English and vernacular, and the strength of these schools by departments for the past two years :— Public Upper Secondary or High Schools for girls.

| Year. | Number of schools. | Upper secondary department. | Lower secondary department. | Primary department. | Total. |
|---|---|---|---|---|---|
| 1897-98 ... ... ... ... | 21 | 359 | 639 | 1,486 | 2,484 |
| 1898-99 ... ... ... ... | 24 | 408 | 656 | 1,541 | 2,605 |

From 16 of these schools 72 pupils appeared for the last Matriculation examination, and of these 32 were successful, the corresponding figures for the previous year being 71 and 24. For the Lower Secondary examination 152 pupils presented themselves from high schools against 135 in 1897-98, and 102 passed against 80. The average strength of the upper secondary, lower secondary, and primary departments of high schools was 17, 27 and 64 against 17, 30 and 71 in the previous year. The fall in the average strength of the lower secondary and primary departments is disappointing. Of the pupils in the upper secondary stage of instruction 208 were Europeans, 184 Native Christians, and 16 non-Brahman caste Hindus. Native Christians made a further advance. Among Hindus, non-Brahmans alone were represented, and that but poorly, as in 1897-98. 36 of the pupils were returned as belonging to the richer classes, while 253 were contributed by officials.

### (e) *Public Lower Secondary or Middle Schools for Girls.*

Lower Secondary examination.

For the Lower Secondary examination 734 female candidates appeared, of whom 308 passed the complete test and 96 a portion of the examination against 755, 279 and 121, respectively, in the previous year. Among the passed candidates 121 were Europeans, 170 Native Christians, 2 Muhammadans, and 15 non-Brahman caste Hindus. None of the 3 Brahman female candidates and 2 of the 3 Muhammadan female candidates met with success.

Number and strength.

The following statement shows the number of lower secondary schools for girls and their strength at the close of the past two years :—

| Schools. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Number. | Strength. | Number. | Strength. |
| English ... ... ... ... | 40 | 3,686 | 44 | 3,896 |
| Vernacular ... ... ... ... | 145 | 13,503 | 156 | 14,594 |
| Total ... | 185 | 17,189 | 200 | 18,490 |

There was a marked advance both in the number and in the strength of these schools, and the lower secondary departments of all classes of schools were stronger than in 1897-98. Of the 139 aided and unaided lower secondary schools for girls, as many as 122 were under mission management. The average strength of each school fell from 93 to 92. Particulars are furnished below as to the classes of the community represented in the lower secondary departments of upper secondary and lower secondary schools for girls for the past two years :—

| Classes. | 1897-98. | 1898-99. |
|---|---|---|
| Europeans ... ... ... ... ... ... ... ... | 774 | 790 |
| Native Christians ... ... ... ... ... ... ... | 1,782 | 1,872 |
| Muhammadans ... ... ... ... ... ... ... | 24 | 28 |
| Brahmans ... ... ... ... ... ... | 107 | 133 |
| Non-Brahman caste Hindus ... ... ... ... ... | 511 | 556 |
| Panchamas ... ... ... ... ... ... ... ... | 20 | 23 |
| Others ... ... ... ... ... ... ... ... | 5 | 8 |
| Total ... | 3,223 | 3,410 |

### (f) *Public Primary Schools for Girls.*

Primary examination.

For the Primary examination 2,585 female candidates appeared, of whom 1,570 passed the complete test and 399 in a portion of the examination, the figures for the previous year being 2,373, 1,326 and 383, respectively. In all, 1,969

candidates (1,864 pupil, 19 teacher and 86 private candidates) were successful against 1,709 in the previous year; and 1,570 candidates (1,502 pupil, 10 teacher and 58 private candidates) qualified for certificates against 1,326. The percentage of female candidates that passed for certificates rose from 56 to 60, the results obtained by teacher candidates alone having slightly deteriorated. All the classes except Brahmans passed a higher percentage than in 1897–98. The number of girls who passed in the several subjects under the primary standards is given below :—

| Subjects. | Infant standard. | First standard. | Second standard. | Third standard. | Fourth standard. |
|---|---|---|---|---|---|
| *Compulsory subjects.* | | | | | |
| Reading | 12,423 | 10,493 | 7,308 | 4,366 | 1,626 |
| Writing | 12,568 | 10,176 | 7,507 | 4,400 | 1,701 |
| Arithmetic | 12,533 | 10,421 | 7,895 | 3,875 | 1,368 |
| *Optional subjects.* | | | | | |
| Kindergarten occupations | 2,284 | 1,688 | 965 | ... | ... |
| Object lessons or elementary science | 2,141 | 1,468 | 1,119 | 264 | 1 |
| Singing | 11 | 1 | 3 | 17 | 16 |
| Second language | 26 | 433 | 418 | 248 | 173 |
| Drawing | ... | 107 | 78 | 115 | 40 |
| Needle-work | 23 | 3,520 | 2,528 | 1,974 | 915 |
| Geography | ... | ... | 973 | 1,510 | 811 |
| Hygiene | ... | 2 | 163 | 1,282 | 728 |
| Indian History | ... | ... | ... | ... | 136 |
| Drill with gymnastics or calisthenics | 1,604 | 1,474 | 1,225 | 744 | 332 |
| Kummi | 272 | 365 | 276 | 140 | 12 |

A comparison of the above figures with those of 1897–98 will show that there was considerable improvement in all the subjects except singing.

Number and strength of Public Primary Schools for girls.

The following summary classifies public primary schools for girls according to managing agencies for the past two years :—

| Classes of schools. | | 1897-98. | | 1898-99. | |
|---|---|---|---|---|---|
| | | Schools. | Pupils. | Schools. | Pupils. |
| *Under public management.* | | | | | |
| Government | Upper primary | 81 | 5,065 | 64 | 4,108 |
| | Lower do. | 31 | 1,258 | 31 | 1,283 |
| Board | Upper primary | 15 | 990 | 15 | 996 |
| | Lower do. | 8 | 317 | 9 | 393 |
| *Under private management.* | | | | | |
| Aided | Upper primary | 279 | 16,154 | * 273 | 16,610 |
| | Lower do. | 290 | 8,816 | † 309 | 8,823 |
| Unaided | Upper primary | 23 | 1,111 | ‡ 17 | 808 |
| | Lower do. | 124 | 2,519 | § 132 | 3,145 |
| Total | Upper primary | 398 | 23,320 | 369 | 22,522 |
| | Lower do. | 453 | 12,910 | 481 | 13,644 |
| Grand total | | 851 | 36,230 | 850 | 36,166 |

* 204 with 13,033 pupils were under mission management.
† 141 with 4,532 do. do.
‡ 8 with 315 do. do.
§ 27 with 1,111 do. do.

Public primary schools for girls fell by one and their strength by 64 pupils. Government schools alone contributed to the decrease. Aided schools received an accession of 13 to their number and 463 pupils to their strength and had 1,626 pupils in the upper primary stage. Unaided schools also increased slightly in number and strength, but the number of pupils in the upper primary stage fell from 100 to 81. The proportion of girls in the primary stage of instruction to those of school age advanced from 3·9 to 4 per cent.

### (g) *Results Grants Examination.*

Results grants examination.

The number of pupils presented and passed under the fifth and sixth standards during the past two years is shown below:—

| Standards. | Presented. | | Passed. | |
|---|---|---|---|---|
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. |
| Fifth ... ... ... | 533 | 517 | 382 | 340 |
| Sixth .. ... ... .. | 259 | 298 | 172 | 190 |

The percentages of passed to examined under the sixth and fifth standards were 63·8 and 65·8 against 66·4 and 71·7 in 1897-98 and 62·1 and 59·1 in the case of male pupils.

## VIII.—Education of Special Classes.

Institutions wholly or chiefly intended for Europeans.

The number of institutions wholly or chiefly intended for Europeans rose from 96 to 97 owing to the raising of the Presentation Convent school, Black Town, to the status of a second-grade college, and their strength from 8,181 to 8,251—the highest figures on record.

Muhammadans.

The number of public schools for Muhammadans fell from 1,144 to 1,098 and their strength from 49,054 to 47,710, the decrease being almost entirely confined to primary schools. Private schools, on the other hand, had an accession of 60 to their number and 1,839 to their strength. The total number of Muhammadan students in public and private institutions, however, rose from 100,295 to 101,894, and the percentage of scholars to the population of school age from 29·7 to 30·2. The total number of Muhammadan girls in all classes and grades of schools fell from 16,978 to 16,705.

Mappillas.

A special class was opened in the School of Commerce, Calicut, mainly for imparting instruction in commercial subjects to Mappillas in Malayalam. Public schools fell again both in number from 363 to 334 and in strength from 18,617 to 17,496, while private schools advanced in number from 272 to 277, but declined in strength from 10,417 to 9,697. Of the public schools, 2, viz., the Mappilla Training school, Malappuram, and its practising section, with 20 and 10 pupils, were under the management of the department, 109 with 6,857 pupils were managed by local boards and municipalities, and 166 with 8,100 pupils were aided from public funds, the remaining 57 with 2,509 pupils being unaided. There were, besides, 13 schools for Mappilla girls, of which 7 with 353 pupils were managed by Government, 4 with 141 pupils were aided from public funds, and 2 with 97 pupils were unaided. In public primary schools for Mappilla boys, 587 teachers were employed, and of these 88 held trained teachers' certificates, 6 held untrained teachers' certificates, 334 had general education or service qualification, and 159 were entirely unqualified. The total expenditure from public funds on boys' schools for Mappillas during the year amounted to Rs. 23,875 towards which provincial funds contributed Rs. 7,553, local funds Rs. 11,117, and municipal funds Rs. 5,205.

Panchamas.

The following summary shows the number and strength of institutions wholly or chiefly intended for Panchamas at the close of the past two years:—

| | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Number. | Strength. | Number. | Strength. |
| Public secondary schools ... ... ... ... ... | 15 | 1,269 | 11 | 1,165 |
| Public primary schools ... ... ... ... ... ... | 2,478 | 56,842 | 2,572 | 58,027 |
| Public special schools ... ... ... ... ... ... | 1 | 26 | 1 | 26 |
| Private schools ... ... ... ... ... ... ... | 23 | 385 | 35 | 532 |
| Total ... | 2,517 | 58,522 | 2,619 | 59,750 |

A further advance will be noticed in the number and strength of these institutions, the former having risen by 4·0 per cent., and the latter by 2·1 per cent. The increase was almost wholly confined to public primary schools. Of the public schools, 10 with 357 pupils against 8 with 315 pupils were managed by

Government; 323 with 10,268 pupils against 320 with 10,180 pupils were managed by local boards; 1,496 with 34,909 pupils against 1,488 with 35,616 pupils were managed by private individuals or bodies, and aided from public funds; and 755 with 13,684 pupils against 678 with 12,026 pupils were unaided. Male scholars advanced from 37,549 to 41,632 or by 10 per cent., and female scholars from 5,408 to 6,366 or by 18 per cent., the corresponding rates of increase for 1897–98 being 4·7 and 8·3 per cent. The percentages of total male and female pupils to the respective populations of school age were 9·6 and 1·4 against 8·7 and 1·2 in 1897–98.

Expenditure on Panchama schools.

The expenditure on Panchama schools borne on the departmental returns was Rs. 2,63,180, towards which provincial funds contributed Rs. 21,679, local funds Rs. 59,422, municipal funds Rs. 17,767, fees Rs. 17,717, and subscriptions, endowments and other sources Rs. 1,46,595. Public funds thus met 38 per cent. of the entire cost as against 36 per cent. in 1897–98.

Aboriginal and Hill tribes.

The total number of schools intended for the aboriginal tribes remained the same, viz., 363, but their strength fell from 8,863 to 8,511. The total number of pupils belonging to the aboriginal tribes under instruction in all classes of schools in the three agencies, however, rose from 2,185 to 2,688. There were 3 schools for Lambadies in the Kistna district with 26 pupils against 29 pupils on the 31st March 1898; the total number of aboriginal children under instruction in the district fell from 47 to 28. In Kurnool there were 2 schools for Chenchus with 43 pupils in all. Of these pupils, 27 were presented for the grant examination and 15 passed. In Nellore the Yenadis and Yerukulas were admitted free to board schools. For the Badagas in the Nilgiri district, there were 43 schools with 1,240 pupils, all of the primary grade, of which 14 were managed by the district board. For Kotas there were 2 schools and for Todas 2 schools, both aided, attended by 27 pupils as against 59 in 1897–98. In the Salem district 3 schools for Malayalis were at work against 4 in 1897–98 with 34 pupils against 45. The total number of boys and girls belonging to aboriginal tribes under instruction in all classes and grades of institutions fell from 3,760 boys to 3,024; the number of girls was the same, viz., 92.

## IX.—Indigenous Education.

Number and strength of indigenous and private institutions.

Indigenous and private institutions advanced from 5,388 to 5,496 or by 2·0 per cent., and their strength from 108,981 to 112,376 or by 3·1 per cent. The increase appertained to all classes of schools except high-class indigenous Sanskrit schools, the number of which fell by 3, owing to the closing of 1 and the reduction of 2 to the lower secondary grade. Malabar returned, as usual, the largest number of elementary indigenous and private schools (579) and scholars (18,559). Next came in order North Arcot, Tanjore, Madura and Tinnevelly with 513, 469, 461 and 458 such schools attended by 9,375, 9,673, 11,076 and 11,673 pupils, respectively. The Ceded Districts returned the smallest number of elementary indigenous schools.

## X.—Scholarships.

Scholarships.

No change of importance was made during the year in the scholarship notification, except the addition of 20 scholarships of the monthly value of Rs. 2 each for Mappillas joining the special commercial classes opened in the Government school of Commerce, Calicut. The expenditure on scholarships from public and private funds for the past two years is shown below:—

| Institutions. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Public funds. | Private funds. | Public funds. | Private funds. |
| | RS. | RS. | RS. | RS. |
| Arts colleges ... ... ... | 12,176 | 14,159 | 11,533 | 13,143 |
| Professional colleges ... | 6,546 | 245 | 6,857 | 210 |
| Secondary schools ... ... | 15,992 | 8,990 | 18,483 | 7,924 |
| Primary schools .. ... ... | 1,439 | 216 | 859 | 10 |
| Special schools .. ... ... | 30,776 | 2,981 | 30,963 | 3,802 |
| Total | 66,929 | 26,591 | 68,695 | 25,089 |

Public funds spent more except in arts colleges and primary schools, while private funds spent less except in special schools. Of the entire expenditure, public funds met 73 per cent. against 72 per cent. in the preceding year.

## XI.—General Remarks.

**Summary of progress.**

At the University examinations taken as a whole 10,969 against 10,704 candidates were examined and 4,254 against 4,016 were successful. The senior B.A. and senior F.A. classes on the literary side and professional colleges and intermediate technical classes on the non-literary side contained fewer students. More or less improvement was shown in the results of the Primary, Lower Secondary and Technical examinations. In the subjoined statement will be found the distribution of boys and girls in public schools on the 31st March last over each standard and form, compared with the figures for the previous year:—

| Form or standard. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Boys. | Girls. | Boys. | Girls. |
| Sixth form ... ... ... ... | 5,452 | 127 | 5,287 | 135 |
| Fifth form ... ... ... ... | 3,645 | 98 | 3,914 | 111 |
| Fourth form ... ... ... ... | 4,980 | 136 | 5,103 | 161 |
| Third form ... ... ... ... | 9,764 | 838 | 10,294 | 860 |
| Second form ... ... ... .. | 10,348 | 921 | 10,347 | 950 |
| First form ... ... ... ... | 12,720 | 1,578 | 13,137 | 1,693 |
| Fourth standard .. ... ... | 42,088 | 5,444 | 43,243 | 5,509 |
| Third standard ... ... ... | 92,036 | 10,624 | 95,024 | 11,307 |
| Second standard ... ... ... | 117,316 | 16,030 | 117,363 | 16,550 |
| First standard ... ... ... | 144,987 | 25,379 | 145,000 | 25,840 |
| Infant standard ... ... ... | 156,217 | 48,880 | 156,608 | 49,539 |
| Total ... | 599,583 | 110,055 | 605,320 | 112,055 |

The number of boys advanced except in the sixth and second forms, the bulk of the increase belonging to the third and fourth standards. The increase in the number of girls extended to each standard and form and was more evenly distributed than in the case of boys. Though the female population of school age is in excess of the male population of school age, girl pupils formed only 16 per cent. of the total school population. While 15 per cent. of boys in public schools had passed beyond the lower primary stage, only 8 per cent. of girls had done so.

**Extent of primary education in rural villages.**

The statistics regarding the number of villages with one or more public or private schools show that 15,087 (or 53 per cent.) against 15,132 villages with a population of 200 or over, and 1,388 (or 94 per cent.) against 1,412 villages with a population of less than 200 are unprovided with any means of education.

**Teaching staff in primary and secondary schools for boys.**

The number of teachers in primary schools rose from 24,723 to 25,009. 8,386 were unpassed men, a fall from 35·4 to 33·5 per cent. In secondary schools for boys there were 3,323 teachers against 3,275, of whom 12 held non-Indian diplomas, 1,181 held trained teachers' certificates, 801 untrained and 1,082 general certificates. 247 held no certificates. The registration of teachers' certificates, begun in 1897, was completed up to date: about 15,000 certificates were registered.

**Schools for the blind and deaf-mutes.**

There were 3 schools for blind children at work with 42 on the rolls against 38, and 2 for deaf-mutes with 39 pupils against 33. Seven blind pupils passed the primary examination.

**Physical education.**

Gymnastics was taught according to the Educational Rules in 4,014, and native gymnastics in 640, institutions out of a total of 21,719. The number of pupils in the primary stage who passed in drill and gymnastics increased.

**Educational associations and reading rooms.**

There were 375 educational associations and reading rooms with 64,985 members against 348 with 71,206 members in 1897.

**Recommendations of the Education Commission. Madras Educational Code.**

The recommendations of the Education Commission were kept in view. The education of the backward classes received special attention.

The inter-school rules were made more definite and stringent. The fixed grant system was introduced and extended to lower class technical, industrial and art schools.

## MEDICAL COLLEGE. (1898-99.)

Strength.

The session opened on the 1st July with 322 students on the rolls, 32 joined afterwards, 99 entered for the Sanitary Inspectors' class in January and 3 students entered for the spring session courses, thus making a total of 456 students. Of this total number, 93 were Europeans and Eurasians, 72 Native Christians, 123 Brahmans, 121 non-Brahmans, 37 Muhammadans and 10 Burmese.

Female students.

Thirty-five female students, as against 33 in the previous year, were in attendance, of whom 3 were casual students. Of these latter, one who failed at the last "First M.B." and the other at the last "Second L.M. & S." took out casual course in the third and fourth year subjects, respectively, and the third, a licentiate in medicine, attended courses in Physics and General Biology. The rest belonged to the Apothecary section. Of the 35 students, 30 were Europeans and Eurasians, 3 Native Christians, 1 was a Brahman and 1 a non-Brahman. The admission of a Brahman female student from Mysore, the first since the College was opened for the admission of female students in 1875, is worthy of note.

College department.

In the College department, there were 82 students, of whom 53 (as against 41 in 1897-98) were studying for the M.B. & C.M. degree, 12 (as against 26 in the last year) for the L.M. & S. degree and 17 casual students. The percentage of those passed to the total number examined was 45·6 against 45 in the previous year.

Apothecary department.

The total strength of the Apothecary department amounted to 85 students against 99 of the previous year. This number included 43 military pupils, 10 colonial apprentices and 32 female students; 22 appeared for the final examination for the College diplomas and 18 passed—all in the second class. Those who failed were all military pupils.

Chemist and Druggist department.

There were no entries in the Chemist and Druggist department during the session. The scheme drawn up by the Committee for the re-organization of the Chemist and Druggist class at the Medical College was sanctioned during the year.

Hospital Assistant department.

The number of students in the Hospital Assistant department fell from 206 in 1897-98 to 190. Of the 71 students in their third year of study, 65 appeared for the final examination conducted by the Board of Examiners with 3 others who failed last year, or a total of 68 in all. Of this 55 passed—4 in the first class. Ten pupils obtained 20 certificates of Honour and a civil medical pupil was awarded the Government gold medal. Five pupils of the second-year class and 3 of the first-year class were awarded 7 and 4 certificates of Honour, respectively.

Sanitary Inspectors' class.

There were numerous applications for admission to the Sanitary Inspectors' class. It consisted of 99 students, an increase of 13 over last year. The course commenced on the 4th January and terminated on the 30th March 1899, during which period 41 lectures were delivered by the Professor of Hygiene and 16 tutorial meetings were held by the Assistant. The course continued to be made practical and lectures were illustrated by experiments and demonstrations. Out of 87 examined, 74 passed. There were 21 excursions against 16 in the previous year.

University examinations.

The following statement shows the number examined at the University Examinations and the results thereof as compared with the previous year :—

| Name of examinations. | 1896-97. | | | 1897-98. | | |
|---|---|---|---|---|---|---|
| | Number examined. | Number passed. | Percentage passed. | Number examined. | Number passed. | Percentage passed. |
| First L.M. & S. examination ... ... ... | 8 | 3 | 37·5 | 5 | 2 | 40 |
| Second L.M. & S. examination ... ... ... | 31 | 11 | 35·4 | 22 | 7 | 31·8 |
| Preliminary Scientific examination ... ... | 17 | 11 | 64·7 | ... | ... | ... |
| First M.B. & C.M. new rules ... ... ... | ... | ... | ... | 12 | 7 | 58·3 |
| Do. old rules ... ... ... | 11 | 4 | 36·3 | 15 | 8 | 53·3 |
| Second M.B. & C.M. examination ... ... ... | 4 | 3 | 75 | 3 | 2 | 66·6 |
| Total ... | 71 | 32 | 45 | 57 | 26 | 45·6 |

Library and museum.

121 books were purchased during the year, and 22 specimens were added to the Pathological Museum.

## OOTACAMUND LAWRENCE ASYLUM. (1898-99.)

Male Branch.

Excluding 7 day scholars, there were on the rolls on the 31st March last 298 pupils, viz., 116 Europeans and 182 Eurasians, as against 310 (127 Europeans and 183 Eurasians) on the corresponding date in the previous year. The departures were 47 and the admissions 35. The average number on the rolls and the average daily attendance were 327 and 300, respectively, which thus exceeded the corresponding figures for the previous year, viz., 303 and 253. 21 pupils succeeded in securing employment in the Telegraph department and in the Army. There was not even a single case of removal on account of misconduct. The total number of pupils returned to their guardians as being over the prescribed age was 13. 15 pupils were found eligible for admission to the newly-opened fourth form. There was an improvement in the health of the asylum, the average number of daily sick having fallen from 9·03 to 8·5. There was one case of death from enteric fever during the year. For the Lower Secondary Examination of December last, 41 pupils, as against 36 in 1897, were presented, 3 being for the complete test, and 25 passed, 2 qualifying for certificates. The Acting Inspector was favourably impressed with the results of his inspection and with the tone and discipline. The development of the institution into an upper secondary school was the most important event of the year and in the history of the asylum. All the industries, except carpentry, band music and telegraphy, were abolished. Physical education continued to receive due attention. Excluding the opening balance of Rs. 6,585, the receipts amounted to Rs. 1,06,459 and the charges to Rs. 1,04,344, and the year closed with a surplus balance of Rs. 2,115 only. The average cost per boy fell from Rs. 322 to Rs. 321.

Female Branch.

The day scholars numbered 5 as in the previous year, but the number of boarders fell from 65 to 63, of whom 44 were Europeans and the rest Eurasians. Out of the 5 who left during the year, only 1 had entered service. The average number of daily sick had risen slightly from ·27 to ·52. Otherwise the sanitary condition of the asylum continued to be satisfactory. No pupils were sent up for any of the public examinations. This branch acquitted itself very creditably at the inspection. The total receipts, exclusive of an opening balance of Rs. 699, amounted to Rs. 19,389, and the charges to Rs. 21,142. The average cost per girl had fallen from Rs. 301 to Rs. 279.

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## GOVERNMENT EXAMINATIONS. (1898-99.)

Examinations held during the year.

Including the Hand-writing and Dictation test for under-graduates held in May, there were held in all 11 examinations during the year. The following statement compares the numbers examined and passed during the past two years:—

| Examinations. | Number examined. | | Number passed. | | Remarks. |
|---|---|---|---|---|---|
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | |
| Primary examination ... ... ... ... | 31,567 | 34,049 | † 13,817 | † 15,991 | |
| Lower Secondary examination ... ... | 9,293 | 11,242 | † 2,111 | † 2,705 | |
| Upper Secondary examination ... ... | 149 | 190 | 19 | 6 | |
| Technical examinations ... ... ... | * 3,497 | * 3,980 | 1,705 | 1,681 | |
| Hand-writing and Dictation test for under-graduates held in May. | ... | 1,528 | ... | 464 | |
| Hand-writing and Dictation test for under-graduates held in December. | 1,702 | 1,139 | 305 | 105 | |
| Civil Medical Pupil Grade Entrance examination. | 35 | 44 | 20 | 20 | The number shown as having passed is the number that was required to fill the vacancies advertised in each case. |
| Native Military Pupil Grade Entrance examination. | 48 | 17 | 12 | 4 | |
| Madras-Burma Hospital Assistant Grade Entrance examination. | 37 | 44 | 6 | 6 | |
| Assistant Surgeon Grade Entrance examination. | 74 | 18 | 13 | 2 | |
| Sub-Assistant Inspectors' tests ... ... | * 64 | * 41 | 58 | 32 | |
| Special Test examinations ... ... ... | * 4,175 | * 3,941 | 1,361 | 946 | |
| Special Tests for officers of the Salt and Abkári Department. | * 750 | * 541 | 550 | 284 | |

* Subject-candidates. † Passed the full test.

Primary examination.

The number of candidates examined for the Primary examination, or for any other Government examination under the control of the Commissioner, advanced from 31,567 to 34,049, or by nearly 8 per cent. This number is the highest ever reached. The percentage of complete passes to the total number examined was 46·9 against 43·7 in the previous year. The number of teacher candidates, which had decreased from 1,506 to 1,410 in 1897–98, fell to 1,311 during the year, and the percentage of complete passes among them also fell from 44·9 to 44·6. As usual, the largest number of candidates that qualified for certificates consisted of those who were between 11 and 12 years old. Among districts, the highest percentages of success were achieved in South Arcot and Tinnevelly as in the previous year. 11 other districts showed an increase. The poorest results were, as in the two preceding years, in the Kistna district; the greatest proportion of increase was in Malabar, and the greatest proportion of decrease in Kurnool. About 55 per cent. of the total number of male candidates examined, and about 50 per cent. of the total number of those who passed, belonged to the class of non-Brahman Caste Hindus. Among female candidates, the largest number that appeared, as also the largest number that qualified for certificates, belonged to the Native Christian community. The results achieved by the Muhammadan female candidates showed considerable improvement. The increase in the number of Panchama candidates who appeared, both male and female, is satisfactory, as also is the improvement in the results achieved by them. Tamil as first language and English as second language were brought up by the largest number of male, and also of female, candidates. The increase in the number of male and of female candidates who brought up English, whether as first or as second language, is satisfactory.

The Lower Secondary examination.

The total number of candidates who registered their names for the Lower Secondary examination advanced by 22 per cent. and the total number examined by 21 per cent. Both the number registered and the number examined were the highest on record. The number of male and female candidates together that qualified for certificates by passing the full test was 2,705 against 2,111 in the previous year. Of over 10,000 male candidates, more than half were Brahmans, while of the 734 females, 62 per cent. were Native Christians. Two of the three Muhammadan female candidates who appeared were successful, whilst none of the Brahman female candidate passed. English was taken up as a first language by 9,304 candidates.

The Upper Secondary examination.

For the examination in the compulsory portion of the Upper Secondary examination that was held in December last, 213 candidates registered their names, of whom 190 appeared. Only 6, however, were successful. 37 schools, as against 36 in the previous year, sent up applications from their pupils, but the highest number of pupils that came up from any of them was only 8. Although as many as 97 pupil-candidates presented themselves for examination, only 3 were successful, each one of these belonging to a different institution. Not a single pupil, therefore, passed from any of the remaining 34 schools. The results of the examination of private candidates were nearly as bad as in that of the pupil-candidates. Three of the 6 successful candidates were Brahmans and the other 3 'Other Hindus.' The other three classes of the community were thus unrepresented. Of the 190 candidates that appeared, 3 were female candidates, all of whom, however, failed.

The Government Technical examinations.

The total number of individual candidates appearing for the Government Technical Examinations advanced from 3,041 to 3,546, or by 17 per cent., and the total number of subject-candidates examined from 3,497 to 3,980, or by 14 per cent., the percentage of increase in each case being thus larger than the corresponding percentage in the previous year. The results, however, did not compare favourably with those of the previous year, the percentage of success having declined from 48·7 to 42·2. In the Advanced examinations 64 subject-candidates appeared in 14 subjects against 59 in 12 subjects in 1897–98 and the same number (28) passed. The percentage of success (44) was on the whole fair. For the first time in the history of these examinations, a candidate appeared in music and succeeded in passing. The results in the newly-added subject, metal-work, were very good, both the candidates that appeared having passed. The only female candidate who

appeared was the one who passed in needle-work and dress-making. In the Intermediate examinations the number of subject-candidates rose from 936 to 1,058 but the percentage of success remained at 48. There were examinations in 53 subjects against 46 in the previous year. Female subject-candidates numbered 45 against 42 and of these 33 were successful against 26. In the Elementary examinations subject-candidates rose from 2,502 to 2,858, but passes fell from 1,224 to 1,143. 51 subjects were brought up against 49 in the previous year. The number of female subject-candidates examined rose from 157 to 159, but of these only 55 were successful as compared with 118 in the previous year.

Hand-writing and Dictation Test for under-graduates.

The number of candidates for the Hand-writing and Dictation test held in May was 1,528, consisting of 213 First Arts men and 1,315 Matriculates; 71 of the former and 393 of the latter, or 464 on the whole, were successful. For the examination in the same test held in December as a part of the Upper Secondary examination, there came up in all 1,139 candidates, consisting of 140 First Arts men and 999 Matriculates; only 17 of the former and 88 of the latter, or 105 on the whole were successful. Two Matriculates who came up for the compulsory portion of the Upper Secondary examination were also declared to have passed the Hand-writing and Dictation test for under-graduates, they having passed in Hand-writing and Dictation though they failed on the whole. The following statement compares the numbers examined and passed at the examination of December in the past two years :—

| Year. | Examined. | Passed. | Percentage. |
|---|---|---|---|
| 1897-98 ... ... ... ... ... ... | 1,702 | 305 | 18 |
| 1898-99 ... ... ... ... ... ... | 1,139 | 105 | 9 |

Subordinate Medical Competitive examination.

The following statement compares the number of candidates examined and the number of vacancies advertised for each of the several grades during the past two years :—

| Grade. | 1897-98. | | 1898-99. | |
|---|---|---|---|---|
| | Number examined. | Number of vacancies. | Number examined. | Number of vacancies. |
| Civil Medical pupil ... ... ... ... ... ... | 35 | 20 | 44 | 20 |
| Native Military pupil ... ... ... ... ... ... | 48 | 12 | 17 | 4 |
| Madras-Burma Hospital Assistant pupil ... ... ... | 37 | 6 | 44 | 6 |
| Assistant Surgeon ... ... ... ... ... ... | 74 | 13 | 18 | 2 |

Special Tests.

The following statement compares the particulars of the Special and Departmental test examinations held during 1898 with those of the preceding year :—

| Examinations. | 1897-98. | | | 1898-99. | | |
|---|---|---|---|---|---|---|
| | Examined. | Passed. | Percentage. | Examined. | Passed. | Percentage. |
| Special Tests ... ... ... | 4,175 | 1,361 | 32·59 | 3,941 | 946 | 24 |
| Salt and Abkári Tests ... ... | 750 | 550 | 73 | 541 | 284 | 53 |
| Sub-Assistant Inspector's Test ... | 64 | 58 | 91 | 41 | 32 | 78 |

There was an increase in the number of candidates for the Account test, higher and lower grades, and of the Sea Customs test, and a decrease in the number for every one of the other tests. Except in the case of the Précis-writing test and of the Revenue test, higher grade, the results showed an improvement over those of the previous year.

The Salt and Abkári Department Competitive examination.

This examination was not held during the year in accordance with the recommendation of the Board of Revenue, approved and sanctioned by Government in its order, Mis. No. 2333, dated 1st June 1898.

Examinations for women.

The following statement gives particulars regarding the success of female candidates at the general test examinations under the control of the Commissioner :—

| Examination. | Examined. | | Passed. | | Percentage. | |
|---|---|---|---|---|---|---|
| | 1897 98. | 1898 99. | 1897 98. | 1898 99. | 1897-98. | 1898 99. |
| Upper Secondary ... ... . | 5 | 3 | 1 | .. | 20 | |
| Lower Secondary . | 755 | 734 | 279 | 308 | 37 | 42 |
| Primary ... ... ... | 2,373 | 2,585 | 1,326 | 1,570 | 56·7 | 60·7 |

Financial. The total expenditure, inclusive of refunds and of the charges paid for printing work done at private presses, amounted to Rs. 1,22,045, or Rs. 12,964 more than the charges of the previous year, the difference being due, to some extent, to certain charges which should have been paid in 1897–98 having been paid last year. As compared with the receipts realized during the year, there was a surplus of Rs. 1,141. There was an improvement in the financial condition of the commission during the past two years.

## REGISTRATION OF BOOKS. (1898.)

Books registered. There was a very large increase in the number of publications registered during the year, the number having risen from 951 (769 books and 182 periodicals) in 1897 to 1,057 (820 books and 237 periodicals) in 1898. This is the largest figure ever recorded during the last eight years as will be seen from the statement given below :—

| Year. | Books and pamphlets. | Periodicals. | Total. | Original works. | Republications. | Translations. | Total. |
|---|---|---|---|---|---|---|---|
| 1891 ... ... | 627 | 157 | 784 | 580 | 148 | 56 | 784 |
| 1892 ... ... | 799 | 183 | 982 | 695 | 206 | 81 | 982 |
| 1893 ... ... | 642 | 164 | 806 | 596 | 143 | 67 | 806 |
| 1894 ... ... | 683 | 204 | 887 | 763 | 82 | 42 | 887 |
| 1895 ... ... | 751 | 174 | 925 | 780 | 94 | 51 | 925 |
| 1896 ... ... | 753 | 216 | 969 | 809 | 91 | 69 | 969 |
| 1897 ... ... | 769 | 182 | 951 | 772 | 104 | 75 | 951 |
| 1898 ... ... | 820 | 237 | 1,057 | 924 | 63 | 70 | 1,057 |

The rise and fall in alternate years in the number of periodicals is noteworthy, and seems to be due chiefly to the irregular intervals at which the periodicals are issued. Of the registered works, 924, or 87 per cent., were original works, 63, or 6 per cent., were republications and 70, or 7 per cent., were translations, the proportion of original works to the total number registered being the largest during the last five years. Classified according to languages, the largest number of registered publications was under Telugu, as in the previous two years and English ranked next, with Tamil following. Bi-lingual publications numbered the largest during the quinquennium, while the number of publications classed as "others" was the smallest. Large fluctuations were noticed in the number of publications not uni-lingual; and no satisfactory reasons were assigned for such fluctuations.

Subjects. All the subjects came in for a share in the general increase, except poetry, biography and science, the last two having lost almost what they gained in the previous year. Whether this was due to any variation in the classification, and if so to what extent, cannot be ascertained. Religious literature was, as usual, the richest, having contributed more than a third of the total number. It held its own in the reading of the people outnumbering all other departments of reading matter. Under "Miscellaneous," which is necessarily a fluctuating class, were included, among others, educational works such as geographies, readers and text-books for schools. The *Drill Manual*, which is classed under "Art" would more appropriately come under this head.

Copyright. Including four Government publications registered free of charge, the number of works of which copyright was registered was 334 against 321 in the previous year; and 271, or more than a fourth of the total number, were educational in their aim.

General. The tone of the publications of the year viewed both from a moral and from a political point of view was unobjectionable. An attempt to register an obscene book was, however, made in Madras; the delinquent was prosecuted and convicted.

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## ARTS AND SCIENCES.

### *The Madras School of Arts.* (1898–99.)

Compared with 1897–98, there was a slight decrease in the total strength of the School of Arts, the numbers having fallen from 546 to 525; the fall was almost wholly confined to the drawing classes. This was attributed to the uncertainty as to the future of the school and to want of proper supervision owing to the introduction of the aluminium industry, which took up the attention of the Assistant Superintendent. The average daily attendance, especially of apprentices, declined, the figures being 329 against 368 in 1897–98. The districts to which the stipendiaries in the drawing classes belonged were not specified. Muhammadans and Panchamas were better represented, while the other classes shared in the general decrease, European male pupils having suffered most. There were 5 Native Christian girls against none in the previous year. Of the students, 57 per cent. was contributed by the richer and middle classes and 47 per cent. by landholders, officials and traders. Artisans did not present any serious fluctuations. In the distribution of students according to districts, Madras heads the list with 458 out of 525 students on the rolls, and Gódávari ranked next with 17 students, Tanjore contributing only 6. Only 62 students against 114 in 1897–98 had passed a public examination. The group certificate and advanced drawing classes were almost as strong as in the previous year, and the pre-elementary or standard drawing classes were stronger. The admissions to the elementary drawing class were fewer than the departures, which accounted for the diminished strength of that class. The total number of apprentices in the industrial classes rose from 190 to 200, of whom 128 were in receipt of stipends. The carpet-weaving and jewellers' classes contained, however, fewer apprentices, and there was a slight fall in the number of artisan children. Work of a much larger value than in 1897–98 was done by the carpet-weaving, silversmith's and pottery departments. In the modelling, engraving, architectural and evening classes there were 119 students as on the 31st March 1898. The general education classes were better attended; but the first and second forms suffered in numbers. For the several examinations under drawing 371 students were sent up, of whom 173 passed against 374 examined and 194 passed in the previous year, the decrease in the number and proportion that passed being attributed to want of supervision. For the industrial examinations 78 against 39 students presented themselves and 55 against 32 passed, the increase being due to an examination having for the first time been held in metal work. One student obtained the diploma and 10 students group certificates in drawing against none and 1 respectively in 1897–98. At the examination for technical teachers' certificates in drawing 6 passed out of 12 against 12 out of 20 in 1897–98. Of the 14 students who left the school during the year after passing a public examination, only 5 secured or joined their appointments before 31st March last. The receipts from sales of manufactures, excluding the aluminium industry, rose from Rs. 5,194 to Rs. 9,439 or by Rs. 4,245, and every department contributed to the increase except the jeweller's work department: the wood-carving and pottery departments alone fetched Rs. 2,607 more than in 1897–98. In consequence of their diminished strength, the drawing classes yielded in fees Rs. 1,460, which is Rs. 240 less than in the previous year. There was a decrease in the general education class fees from Rs. 64 to Rs. 34. The charges, excluding the aluminium industry and repairs to buildings, rose from Rs. 37,080 to Rs. 39,673, the increase

being chiefly due to additional outlay on materials and cooly wages, which was, however, covered by additional receipts. The net expenditure, taking into account stock, repairs, outstandings, and liabilities, was Rs. 31,458, which is about the same as in the preceding year. But the annual cost to Government of educating each student rose from Rs. 56 to Rs. 67, owing to a fall in the average number on the rolls from 563 to 469.

*Government Central Museum.* (1898-99.)

Visitors.

The total number of visitors to the museum old building was 333,895 and to the new building 351,942. The largest number of visitors on a single day was 58,044 to the old, and 59,862 to the new, building at the feast of Pongal. The number of gosha females, who visited the museum on the days set apart for them, was 3,627.

Anthropology and ethnology.

A long tour was made in connection with the anthropological survey, in the course of which, the investigation of the Malayalis of the Shevaroy hills was completed. Advantage was taken of this visit to examine, on behalf of Government, Mr. Bruce Foote's private collection of "prehistoric" implements, with a view to the possible purchase thereof for the museum. A protracted stay was made at Calicut where Eurasians, Cherumans and Tiyans were examined anthropometrically. During a short stay at Ootacamund, an inquiry was carried out in connection with the physique of the elder boys at the Lawrence Asylum school. In continuation of the examination of the jungle tribes, short of stature and with high nasal index, round whom, as the existing remnant of a once more numerous race, much interest centres, the Kadirs of the Anaimalai hills were examined at the Forest depot, Mount Stuart. To the anthropological laboratory were added printed instructions for measuring heads and skulls, skulls labelled to show the essential measurements, relation of brain to face in man and apes, &c., skulls, and ear (in spirit) of a young orangoutang, photographs of a chimpanzee and an African Negro, and an articulated human skeleton. A course of demonstrations on practical anthropology was held in the museum theatre for the benefit of the University students. A large number of data was collected for future publication with the apparatus purchased from the Cambridge Scientific Instrument Company. Bulletin, Volume II, No. 2, was issued containing statistics relating to Eurasians of the poorer classes, a note on tattooing, a review of an article entitled "Malagaches-Nias-Dravidians," by M. Zaborowski, and a Toda petition to Government concerning the limitation of the number of buffaloes to be slaughtered at the kédu (funeral rites).

Numismatics.

The most important additions to the collection of coins were—a small collection of coins of the Moghul Emperors from the Bellary district; 11 silver denarii of Tiberius, found in a hill at Salibundam village in the Chicacole taluk of the Ganjám district; 15 gold coins from Ganjám, identified by the Philological Secretary, Asiatic Society of Bengal, as being issues of the Kings Jajalladeva (circa 1090—1120 A.D.)—Ratnadeva (circa 1120—1140), and Prithvideva (circa 1140—1170), of the Kalacuri dynasty of Mahakosala; 3 copper Indo-French coins of fleur-de-lis type, with dates 1769, 1781 and 1790. Progress was made with the preparation of the manuscript of the catalogue of the rich collection of South Indian coins, the publication of which, in amplification of the information contained in Sir Walter Elliot's "Coins of Southern India," and liberally illustrated, is a very great desideratum.

Archæology.

The Superintendent was interviewed by the Prince priest of Siam in connection with the proposed transfer of a relic from the Buddhist stûpa of Bhattiprôlu in the Kistna district. The relic, which is coveted, is a fragment of bone contained within a crystal casket, which was itself contained in a large stone casket, whereon is inscribed the legend: "By the father of Kura, the mother of Kura and Siva (has been ordered) the preparation of a casket, and (has been given) a box of crystal in order to deposit some relics of Budha." (Translation, Bühler, *Epigraphia Indica*). Several of the Gandhâra Græco-Bactrian sculptures were successfully reproduced

by photography by the Madras Survey Department for publication and the photographs were sent to Dr. Burgess for approval before the work is finally carried out.

Geology. The collection of fossil ammonoidea, made by Dr. Warth in the Trichinopoly district, which was sent to Professor Waagen, Vienna, in 1893, was returned and exhibited. An interesting type-series of hand specimens of rocks from Coorg, named according to modern nomenclature, was received from Mr. T. H. Holland of the Geological Survey of India.

Botanical, herbarium and economic. A detailed scheme has been worked out and set in operation for the development of the economic section and of the botanical index series, of which the latter should be of great value as an aid to the study of morphological and systematic botany by University students and others. The herbarium-keeper spent several months on the Palnis in connection with the investigation of the flora of this mountain range, which was commenced by Dr. A. G. Bourne in 1897, and continued by him during the year under report. A dado, composed of Malabar timbers from the Malabar Steam Saw Mill, Calicut, was set up on the stair-case leading to the economic gallery. From the Public Works Department were received specimens of a pelagic amphipod crustacean, which was present on the surface of the Cooum near its entry into the sea.

Natural History. A number of birds and fishes were, as usual, added to replace old, faded, and worn out specimens.

Industrial monographs. As a companion to the "Monograph on the Cotton Fabric Industry," 1897, "a Monograph on the Woollen Fabric Industry of the Madras Presidency" was prepared and issued.

Library. *Connemara Public Library.*—The total number of readers during the year was 13,345 against 11,256 in 1897–98. The number of books given out was 16,677 against 11,356 in 1897–98. The total number of standard works added to the library was 379, of which 296 were acquired by purchase and 83 presented. The library was indebted to General G. Godfrey Pearse, C.B., for a donation of a collection of books and pamphlets relating to Indian numismatics and other subjects.

Expenditure. The total expenditure for the year was Rs. 38,382.

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### *Oriental Manuscripts Library.* (1898–99.)

No changes worthy of note occurred in the *personnel* of the establishment during the year. Rs. 295–8–0 of the grant were spent in transcribing, Rs. 188–8–0 in purchasing, and Rs. 116 in binding and on minor contingencies. There was a decrease from 408 to 391 in the number of manuscripts acquired for the library, though the expenditure incurred rose from Rs. 400 to Rs. 484. Of these manuscripts, 38 were transcribed or restored, 66 purchased and 287 acquired by gift, the corresponding figures for the previous year being 35, 116 and 257. The increase in the number of volumes presented to the library is encouraging, as indicating the interest taken by the people in the welfare of the library. The library was visited by 1,464 persons against 1,461 in the previous year, the large decrease in the number of readers having been made good by a corresponding increase in the number of copyists. The average number of visitors per month during the year under report was thus 122 against 137, the average for the three years immediately preceding. The fall in the number of visitors was reported to be partly due to the unhealthy condition of some districts which affected visits of the mofussil people to the city. Little progress was made towards the publication of the descriptive catalogue.

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### *The Madras Observatory.* (1898–99.)

Publications. The preparation of the *New Madras Star Catalogue* made considerable progress. The press manuscript was completed in August and by the close of the year the first 20 hours were printed off.

Buildings and instruments.

The buildings and instruments were maintained in good order during the year. The "Shepherd" mean-time clock and the "Shelton" siderial-time clock were cleaned, and the latter was fitted with an attachment for making electrical contacts every second. Milne's Seismograph, for recording photographically distant earthquakes, was brought into regular use in May, and except from June 4 to August 11 was in constant operation. The instrument, though on the whole working well, has given a great deal of trouble and it is intended to move it to Kodaikánal as soon as the buildings there are ready for it. It is anticipated that it will be much easier to work it there than in Madras, since a good rock foundation can be obtained at Kodaikánal instead of the clay foundation in Madras, while photographic difficulties will be much decreased.

Observations.

The observations for the determination of time were carried on as usual. 463 observations of time stars, 84 of azimuth stars, and 107 determinations of level and collimation were made during the year. Observations of the November meteors (Leonids) were made on 4 nights in accordance with the plan of international observations issued by the Harvard College observatory. The results of these observations were forwarded to Prof. E. C. Pickering, and will be published along with the observations made elsewhere. Observations were also made of stars occulted by the moon during the total eclipse of December 27, in compliance with a request made by Dr. O. Backlund of the Pulkowa Sternwarte. The observations were partly interrupted by clouds and by the unfavourable position of the moon which towards the end of totality got behind the anemometer staging. The observations were communicated to Dr. Backlund.

Madras meantime.

The time service was maintained as in former years. The time-gun at Fort St. George failed on 14 occasions out of 910, giving a percentage of success of 98·5. The semaphore at the Port Office failed at 1 P.M. on five days, but on three of these it was dropped correctly at 2 P.M. The semaphore was temporarily replaced by a time ball on January 24, 1899. The 4 P.M. signal was received at the Central Telegraph Office on every day except one. The number of failures was somewhat larger than usual.

Library.

During the year 240 books and pamphlets were presented to the library.

Kodaikánal Observatory.

The Government of India requested the Astronomer Royal, and Sir Norman Lockyer to report on the various Indian observatories. The former after visiting Kodaikánal approved generally of the plans for the observatory there and made some suggestions for minor alterations which were at once adopted. Sir Norman Lockyer, on the other hand, objected entirely to the plans. As a consequence, the work on the observatory was stopped till the reports of the Astronomer Royal, and Sir Norman Lockyer had been duly considered. After a delay of 5 months the buildings were allowed to go on according to the original designs. Hence the buildings which would have been finished before the end of the year were far from completion. As it was necessary that the books and instruments which had to be transferred from Madras should be sent up the ghaut in the dry weather, packing was begun in December, and by the end of March most of the cases had reached Kodaikánal. All the cases of books were received before the rain began, and on the whole the removal was effected with remarkably little damage, considering the difficulties that had to be overcome. The Government Astronomer took up his residence in Kodaikánal towards the end of February as it was necessary for him to be there to advise the Assistant Engineer in charge of the buildings regarding details of the work and to take charge of the instruments on their arrival.

Meteorology.

The meteorological registers were maintained as in former years. A Richard wet and dry bulb thermograph was set up in January 1898, and was maintained in use throughout the year. Special observations of the motion of the upper clouds were continued three times a day, and daily observations were made with the evaporimeter. The chief features of the meteorology of the year 1898 were that (1) pressure was above average in January and August and below it during the other months and the highest mean daily pressure recorded was 30·143 on January 29, the lowest 29·484 on July 25; (2) temperature was below average in January, March, September, and October, it was normal in November, and above average during the other months and the highest shade temperature recorded was 109°·8

on May 9, the lowest was 59°·8 on February 3; (3) humidity was below average in February and above it in all other months and the driest day of the year was May 12 with a mean humidity of only 27 per cent.; (4) rainfall was below average in January and from March to July, and above average in the other months. The excess for the whole year was 19·12 inches. The rainfall, during the period, 15th October to 31st December, was 43 inches against an average of 26 inches, and a fall last year of only 9½ inches. The greatest fall on one day was 5·65 inches on December 26; (5) the wind direction was nearly normal from January to October, but in November it was 3 points and in December 2 points more easterly than the normal. The air movement was below normal throughout the year, the defect being large in March, May, July, September, October, and December; (6) the percentage of cloudy sky was less than normal in January, March, May, October, and December; it was normal in June and above normal in the remaining months. There were 2,464 hours of bright sunshine during the year out of a total possible of 4,380 hours; and (7) the centre of a small cyclone passed a little to the south of Madras on November 6, but no damage was done by it in Madras.

General. During the year under report, the control of the Madras Observatory and the funds connected with it were transferred to the Government of India with effect from 1st April 1899.

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*Madras Meteorological Department.* (1898–99.)

Daily observations of the usual meteorological elements were regularly recorded throughout the year at all the stations. The observations for Madras were furnished by the Government Astronomer. The number of new instruments supplied was small. None of the observatories were inspected by the Meteorological Reporter or by the Assistants. The observations taken at 8 A.M. were telegraphed daily to Simla, Bengal, Bombay and Madras Meteorological offices for information and for inclusion in the Daily Weather Report and Charts. All the observatories seem to have continued in a satisfactory condition. The Madras Daily Weather Report was published regularly and issued to 33 Government officials at Madras, 52 in the mufassal, and to certain paying subscribers at the rate of Re. 1 per month to residents in Madras and Rs. 1½ to those in the mufassal. The number of subscribers on the 31st March 1899 was the same as that of the last year, viz., 10.

Revenue Board rain stations. The total number of Revenue Board rain recording stations on the 31st March 1899 was 405 against 402 in the previous year.

Returns. The following tables show the mean and extreme meteorological results for 1898–99 as registered at the various observatories:—

*Mean annual meteorological results for* 1898.

| Stations. | Barometric pressure. | Vapour tension. | Solar heat in vacuo. | Temperature in shade. | Daily range. | Relative humidity. | Daily velocity of wind. | Rainfall on ground. | |
|---|---|---|---|---|---|---|---|---|---|
| | INCHES. | INCHES. | DEG. | DEG. | DEG. | CENTS. | MILES. | INCHES. | * DAYS. |
| Amíni Divi ... | 29·913 | ·904 | ... | 80·4 | 6·8 | 81 | ... | 47·78 | 69 |
| Bellary ... | 28·362 | ·492 | ... | 80·7 | 22·2 | 49 | 167 | 17·84 | 36 |
| Cochin ... | 29·868 | ·810 | ... | 81·0 | 13·5 | 76 | 133 | 125·76 | 128 |
| Coimbatore .. | 28·558 | ·751 | ... | 80·2 | 20·4 | 82 | 58 | 24·32 | 49 |
| Cuddapah ... | 29·457 | ·725 | ... | 85·2 | 21·4 | 69 | ... | 28·81 | 44 |
| Kurnool ... | 28·956 | ·602 | .. | 82·2 | 23·8 | 65 | ... | 31·56 | 51 |
| Madras ... | 29·828 | ·807 | 147·0 | 81·4 | 16·6 | 75 | 151 | 68·14 | 102 |
| Madura ... | 29·451 | ·746 | ... | 83·7 | 19·2 | 71 | 45 | 47·18 | 65 |
| Mangalore ... | 29·853 | ·777 | ... | 80·7 | 12·8 | 79 | 62 | 121·22 | 130 |
| Masulipatam ... | 29·867 | ·852 | ... | 82·4 | 15·9 | 81 | 187 | 47·86 | 46 |
| Mercára ... | 26·193 | ·522 | ... | 68·2 | 14·1 | 77 | 137 | 109·35 | 131 |
| Negapatam ... | 29·863 | ·815 | ... | 83·6 | 14·5 | 76 | 257 | 72·69 | 64 |
| Salem ... | 28·925 | ·691 | ... | 80·2 | 22·0 | 63 | 144 | 46·74 | 62 |
| Secunderabad. | 28·093 | ·544 | ... | 80·4 | 21·1 | 64 | 180 | 29·52 | 47 |
| Tinnevelly ... | 29·739 | ·745 | ... | 85·3 | 17·8 | 69 | 142 | 29·53 | 52 |
| Trichinopoly ... | 29·584 | ·664 | ... | 83·1 | 20·2 | 60 | 136 | 34·71 | 53 |
| Wellington ... | 24·204 | ·382 | ... | 69·6 | 18·8 | 69 | 72 | 51·64 | 101 |

* A rainy day is assumed to be one on which a fall of a tenth of an inch or upwards has been recorded.

*Extreme meteorological results for* 1898.

| Stations. | Highest reading of sun maximum | | Highest reading of shade maximum. | | Lowest reading of shade minimum. | | Greatest velocity of wind. | | Heaviest fall of rain. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | DEG. | ON | DEG. | ON | DEG. | ON | MILES. | ON | INCHES. | ON |
| Amini Divi ... | ... | | 91·6 | Nov. 11 | 67·8 | Jan. 22 | . | | 4·85 | June 5 |
| Bellary ... | | . | 108·2 | April 12 | 53·6 | Jan. 4 | 432 | July 22 | 1·46 | Sept. 23 |
| Cochin | . | ... | 96·5 | April 14 | 66·3 | Jan. 21 | 404 | July 25 | 6·34 | June 4 |
| Coimbatore ... | | | 101·9 | April 7 | 58·7 | Jan. 30 | 12 | July 24 | 2·10 | Oct. 27 |
| Cuddapah ... | .. | ... | 109·8 | April 10 | 60·4 | Jan. 17 | ... | ... | 4·59 | April 19 |
| Kurnool ... | ... | . | 111·8 | June 3 | 51·2 | Jan. 3 | ... | . | 2·88 | Sept. 10 |
| Madras .. | 166·5 | June 5 | 109·8 | May 9 | 59·8 | Feb. 3 | 301 | Nov. 5 | 5·65 | Dec. 26 |
| Madura ... | | | 105·5 | May 11 | 63·7 | Jan. 21 | 10 | Jan. 15 | 5·17 | Sept. 30 |
| Mangalore ... | ... | ... | 94·8 | Mar. 11 | 65·5 | Jan. 21 | 9 | July 25 | 3·94 | June 14 |
| Masulipatam ... | . | | 115·7 | May 10 | 58·2 | Jan. 21 | 27 | Aug. 19 | 4·65 | Aug. 19 |
| Mercára ... | ... | ... | 91·0 | April 3 | 51·7 | Jan. 21 | 633 | Jan. 14 | 3·45 | July 27 |
| Negapatam .. | | ... | 108·5 | May 15 | 66·0 | Feb. 3 | 24 | Dec. 29 | 8·76 | Nov. 4 |
| Salem ... | | | 104·9 | May 11 | 56·5 | Jan. 18 | 441 | June 29 | 3·00 | Nov. 11 |
| Secunderabad. | ... | | 110·3 | May 7 | 51·2 | Jan. 21 | 20 | June 16 | 3·18 | June 13 |
| Tinnevelly ... | ... | | 106·6 | May 11 | 66·4 | Jan. 19 | 456 | July 29 | 2·17 | Oct. 29 |
| Trichinopoly ... | ... | ... | 108·2 | May 15 | 60·4 | Jan. 18 | 430 | June 15 | 3·27 | April 26 |
| Wellington ... | ... | ... | 82·2 | April 10 | 33·2 | Jan. 21 | 225 | July 21 | 2·17 | Oct. 28 |

The total expenditure of the department during the year was Rs. 15,550. Expenditure.

The re-organization scheme of the Indian observatories having received the sanction of the Government of India during the year, Mr. R. Ll. Jones took charge of the Meteorological office, on the retirement of Miss E. Isis Pogson, from 1st April 1899. Miscellaneous.

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## *Government Architecture.* (1898–99.)

The construction of the Meteorological Observatory at Kodaikánal was started in March 1898 by departmental agency, and the work on the main building was stopped in June 1898 pending approval of the plan by the Astronomer-Royal. Orders to complete the work as per original design were received early in November and the building was practically completed by March 1899, except the fitting up of the domes which arrived from England only about the end of March. The residence for the Astronomer, and quarters for his establishment, at Kodaikánal were completed during the year. Considerable additions and improvements were made to the Secretariat buildings at Ootacamund by the departmental agency at an estimated cost of Rs. 17,660. The construction of a new work room and 'stuffing' room at the Madras Museum, and of a new police station at Washermanpettah, Madras, was completed during the year. The work of increasing the cellular accommodation at Her Majesty's Penitentiary, Madras, at an estimated cost of Rs. 50,674, was taken in hand at the end of the year under report, and only about half of it was completed by March 1899. The apparatus for providing fittings and furnishing the Chemical Laboratory, Presidency College, which was obtained through the India Office last year, was fitted up by Messrs. P. Orr & Sons. The furniture was made up by the Public Works Workshop. Considerable additions were carried out to the Lunatic Asylum, Madras, the estimated cost for the work being Rs. 50,862. The construction of residence for the District Judge and the Superintendent of Police at Madura was taken up, and the work well advanced towards completion.

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## THE PRESS. (1898.)

The principal newspapers published in the Madras Presidency in the year 1898 were the *Madras Mail*, the *Madras Times*, the *Madras Standard*, and the *Hindu*. Three Tamil papers came into existence during the year. Including these, the vernacular papers and periodicals of the Presidency, together with those of the

Native States of Travancore and Cochin, supplied to the several translators to Government was 114, of which 17 were discontinued. The following table gives particulars of the 97 papers which were in circulation :—

| | Class and particulars of publication. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | General and political. | | | | | | | Educational and literary. | | | | | | | | | | | Religious. | | | | | | | | | | | |
| | Published thrice a week. | Published twice a week. | Weekly. | Published thrice a month. | Published twice a month. | Monthly. | Total. | Published thrice a week. | Published twice a week. | Weekly. | Published thrice a month. | Published twice a month. | Monthly. | Published once in two months. | Quarterly. | Total. | Published thrice a week. | Published twice a week. | Weekly. | Published thrice a month. | Published twice a month. | Monthly. | Published once in two months. | Fortnightly. | Total. | Grand Total. |
| *Diglott.* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamil and English | . | | 1 | | 2 | | 3 | ... | | | | | | | | | . | . | | | 2 | 2 | | | 4 | 7 |
| Telugu and English | | | | ... | . | . | . | .. | | | | | | | | | | | | .. | .. | 1 | . | .. | 1 | 1 |
| Telugu and Tamil ... | . | ... | . | | | | | | | . | | | | | | | | | ... | | . | . | | ... | . | . |
| Tamil and Sanskrit | | . | | . | | .. | ... | ... | . | | . | | . | | | . | . | . | .. | .. | 1 | . | ... | . | 1 | 1 |
| Canarese and English .. ... ... | .. | | *2 | | | | 2 | . | | . | | | . | | | . | | ... | .. | . | ... | | . | .. | . | 2 |
| Hindustâni, English and Telugu . | . | | 2 | . | ... | | 2 | ... | .. | | . | ... | .. | | . | | | | .. | . | ... | ... | .. | ... | .. | 2 |
| *Vernacular.* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamil ... ... . | 1 | . | 12 | 1 | 1 | .. | 15 | | | . | .. | .. | 1 | | . | 1 | ... | . | 5 | ... | . | 9 | ... | .. | 14 | 30 |
| Telugu ... | ... | 2 | 1 | ... | ... | . | 3 | .. | ... | | | | 7 | . | . | 7 | | . | 1 | . | 1 | 7 | . | ... | 9 | 19 |
| Canarese ... .. .. | .. | ... | *2 | .. | 1 | . | 3 | . | .. | . | ... | | 1 | . | . | 1 | . | . | . | . | 1 | 1 | . | ... | 2 | 6 |
| Malayâlam ... ... .. | .. | ... | 4 | 3 | . | .. | 7 | | .. | . | 1 | | 2 | . | 1 | 4 | . | ... | . | 1 | 1 | 7 | .. | ... | 9 | 20 |
| Hindustani . | .. | ... | 4 | 1 | ... | . | 5 | .. | . | . | ... | . | ... | ... | . | ... | .. | ... | 3 | . | 1 | .. | ... | .. | 4 | 9 |
| Total . | 1 | 2 | 28 | 5 | 4 | ... | 40 | ... | ... | . | 1 | . | 11 | ... | 1 | 13 | ... | .. | 9 | 1 | 7 | 27 | .. | ... | 44 | 97 |
| Compare 1897 .. | 1 | 2 | 20 | 4 | 4 | 7 | 38 | ... | ... | ... | 1 | ... | 9 | 1 | 1 | 12 | ... | . | 10 | 1 | 9 | 24 | 1 | 1 | 46 | 96 |

* Discontinued owing to plague.

As in the previous year, the papers with the largest circulation were the *Messenger of Truth* (Telugu, monthly, religious, 4,300) and the *Satyadutan* (Tamil, monthly, religious, 4,000). The *Children's Magazine* (Tamil, monthly, religious, 3,500) came next in order. Excluding these, 8 Tamil, 1 Telugu, 1 Canarese and 3 Malayalam papers had a circulation of 1,000 or more.

# CHAPTER VIII.

## ARCHÆOLOGY. (1898-99.)

Work done during the year.

THE early part of the year was occupied in the completion of the surveys of the masjids at Adóni in the Bellary district and the great Dravidian temples of Conjeeveram in the Chingleput district. This was in continuation of the work which had been proceeding there during the previous year. The field season, at the latter end of the year, was principally spent in the Tinnevelly district. Archæological remains there are numerous. It is reported that the surveys of all them could not be completed in one season. The field season was curtailed on account of the prevalence of plague. The inking of plans and other drawings was proceeded with.

Description of temples.

The principal places visited were the following:—Kallugumalai, with rock-cuttings on the hill. These include, perhaps, the most extensive Jaina sculptures and inscriptions in the Presidency. There is also an unfinished rock-cut monolithic Saiva temple, similar in style to some of the monolithic rathas at the Seven Pagodas south of Madras. A large temple at the foot of the hill, built in front of a rock-cut cave, contains some work of architectural interest. At Koilpatti, Sankaranayinárkóyil, Sátúr and Tinnevelly there are temples of archæological note. That at the last-named place, being the most extensive, occupied some considerable time in its survey. In the Cuddapah district, some work was done at Annamalai, Cuddapah, Pushpagiri and Gurramkonda. This includes Hindu temples, Muhammadan tombs, and, at the latter place, a large palace.

Report on ancient palaces.

For the purpose of completing materials for a report on ancient palaces, which have been surveyed, the following places were visited:—Kondapalle in the Kistna district; Bukkapatnam and Penukonda in the Anantapur district; Abdullapuram in the North Arcot district; and Allagarkoil and Madura in the Madura district.

# CHAPTER IX.

## MISCELLANEOUS.

### ADMINISTRATION OF LOCAL FUNDS UNDER ACT V OF 1884. (1898–99.)

Local Boards and Union Panchâyats.

THE Madras Local Boards Act V of 1884 was in operation in all the districts of the Presidency, except Madras, in which the City of Madras Municipal Act I of 1884 was in force. There were thus 21 District Boards or one for each of the mufassal collectorates. The District Board consisted of the Collector of the district as *ex-officio* President and not less than 24 members, the Revenue Divisional Officers being *ex-officio* members. On the 31st March 1899 these boards consisted of 645 members against 647 in the previous year, the sanctioned maximum strength continuing to be 700. Of the total number, 79 were *ex-officio* members, 275 (85 officials and 190 non-officials) were nominated by Government and 291 (88 officials and 203 non-officials) were elected by the Taluk Boards, while in the preceding year 79 were *ex-officio* members, 272 (77 officials and 195 non-officials) were nominated members and 296 (67 officials and 229 non-officials) elected members. Under the election rules in force, one-half of the sanctioned number of members of each District Board was elected by the Taluk Boards in all districts except the Nilgiris, in which there are no Taluk Boards. The District Boards held in all 230 meetings or seven less than in 1897–98; but the average attendance of members at each meeting continued to be 17 (6 officials and 11 non-officials) out of an average strength of 31 for each Board. As in the previous year, there were 80 Taluk Boards, and each of these consisted of the Revenue Divisional Officers as *ex-officio* President, and not less than twelve members, who were appointed by Government. On the 31st March 1899, these boards had 1,121 members against 1,122 in 1897–98, while the sanctioned maximum strength continued to be 1,172. Of these, 290 were officials and 831 non-officials against 289 and 833, respectively, in the previous year. The Taluk Boards held altogether 1,030 meetings or four less than in 1897–98 and each meeting was, as in that year, attended, on an average, by eight members (2 officials and 6 non-officials) out of an average strength of 14 for each board. The powers of re-appointing the members of Taluk Boards originally appointed by Government and of accepting the resignations of the members of District and Taluk Boards continued to be exercised by the Presidents of District Boards. In all districts, except South Canara and Malabar, the Taluk Boards had Union Panchâyats working as their agents. There were altogether 381 unions against 376 in the previous year and the affairs of each were managed by a Panchâyat consisting of not less than five members, the headmen of the revenue villages included in the unions being *ex-officio* members, while the remaining members were appointed by the Presidents of District Boards in exercise of the power delegated to them by Government. The power of removing the members of Panchâyats also continued to be exercised by the Presidents of District Boards. On the last day of the year, the Panchâyats had an aggregate strength of 3,626 members against 3,551 in the previous year. Of these, 845 were village officers, 292 other officials and 2,489 non-officials, the corresponding figures for the previous year being 840 village officers, 281 other officials and 2,430 non-officials. The Panchâyats met in all 5,046 times against 4,938 in 1897–98. Their work was, as before, confined to the conservancy of the villages within their jurisdiction, although in a few cases, the management of

primary schools, choultries and markets situated within the union limits was specially transferred to them by the Taluk Boards, together with the necessary funds. The Local Boards and Union Panchâyats continued to work, on the whole, satisfactorily.

Receipts.

As in the preceding years, the cess on land was levied at two annas per rupee of the assessment in Malabar and the Nilgiris (except South-East Wynaad), at one anna and six pies in South Canara and at one anna in the remaining districts and in South-East Wynaad. Tolls upon carriages, carts and animals were levied in all the districts, except Gódávari, at 300 gates against 286 in 1897-98. House-tax was levied in 380 unions or 6 more than in the previous year. The maximum rates were in force in 248 unions, three-fourths rates in 64, two-thirds rates in 8, and half rates in the remaining 60. The following statement shows the receipts of the year under the several heads as compared with the figures for the previous year:

| | 1897-98. | 1898-99. |
|---|---|---|
| | RS. | RS. |
| Opening balance ... | 16,93,800 | 16,41,380 |
| Receipts under debt heads ... ... . . | 4,07,516 | 4,27,516 |
| Grants from Provincial funds .. ... ... | 3,15,143 | 3,07,411 |
| Contributions from Special funds ... ... ... | 296 | 390 |
| Revenue from rates and taxes .. ... ... | 63,66,768 | 63,55,538 |
| Fees collected in Local Fund schools and training institutions ... ... ... ... ... ... | 2,15,018 | 2,19,884 |
| Contributions from municipal councils and private individuals ... ... ... ... ... ... | 68,767 | 50,983 |
| Income from endowments ... ... ... ... | 4,73,072 | 5,11,448 |
| Miscellaneous receipts ... ... ... ... | 5,81,060 | 6,33,233 |
| Total ... | 1,01,21,440 | 1,01,47,783 |

The sum of Rs. 3,07,411 shown as grants from Provincial funds was made up of Rs. 1,31,985 contributed for public works, Rs. 92,699 for schools, Rs. 5,501 for hospitals and dispensaries, Rs. 34,073 for choultries, Rs. 21,047 for general purposes and Rs. 22,106 to cover deficits. Grants for public works were paid to the Bellary District Board for the maintenance of the Ramandrug roads (Rs. 4,700); to the Gódávari District Board for the upkeep of the portion of the great northern trunk road lying within the Agency tracts (Rs. 600); to the Malabar District Board for the maintenance of the Calicut-Vayittiri-Gudalur road (Rs. 6,500); to the Nilgiri District Board for communications (Rs. 78,690); and to the Tanjore District Board as the Local Fund share of the net profits of the Máyavaram-Muttupet Railway for the twelve months ending with December 1898 (Rs. 41,285), and as contribution towards the cost of constructing a dead-house at Tirutturaippúndi (Rs. 210). With the exception of Rs. 1,200 and Rs. 1,272, respectively, paid to the Vellore Taluk Board for the support of the Yeomiah and Muhammadan Orphan schools at Arcot, the grants for schools were disbursed by the Director of Public Instruction under the provisions of the Grant-in-Aid Code. The grants for hospitals and dispensaries were made up of Rs. 2,066 paid from the Arcot Langarkhana fund to the Ránipéttai Taluk Board (North Arcot) for the maintenance of the hospital at Ránipéttai; Rs. 430 to the Rajahmundry Taluk Board (Gódávari) towards the cost of the Local Fund hospital at Dowlaishweram; Rs. 200 to the Local Boards in Madura towards the cost of medicines supplied to the Kodaikánal hospital (Rs. 120) and of treating the police sick at Ramnad (Rs. 80); Rs. 2,640 to the Tanjore District Board for the maintenance of the Raja Mirasidar hospital at Tanjore; and Rs. 165 to the Vizagapatam District Board towards the cost of the District Medical and Sanitary Officer's establishment. Grants amounting to Rs. 34,073 were, as usual, paid to the Local Boards in Anantapur, North Arcot, South Arcot, Coimbatore, Kurnool, Madura, the Nilgiris, Salem, Tanjore and Tinnevelly in lieu of lands originally assigned for the upkeep of choultries by their founders and subsequently resumed by Government.

The District Board of Gódávari was paid a contribution of Rs. 580 on account of the services rendered in the Agency tracts by the Deputy Inspector of Vaccination, Rajahmundry Range, during 1897–98 and 1898–99, while the Nilgiri Board was paid Rs. 20,310 for general purposes in consideration of the smallness of its revenue. Contributions amounting to Rs. 86 and Rs. 71 were paid to the Sermadevi (Tinnevelly) and Musiri (Trichinopoly) Taluk Boards towards the maintenance of water pandals at Tenkási and Nedungur, respectively. The Local Fund accounts of Bellary and South Arcot having closed the year with deficits of Rs. 8,038 and Rs. 14,068, respectively, owing to the expenditure incurred on plague preventive measures, these amounts were adjusted, as usual, by a contribution from Provincial funds. The revenue from rates and taxes fell by Rs. 11,230, being the net result of a decrease of Rs. 55,312 under land-cess and of an increase of Rs. 31,511 under house-tax and Rs. 12,571 under tolls. The decrease under land cess was the net result of a fall of Rs. 1,99,535 in ten districts, and a rise of Rs. 1,44,223 in the remaining eleven districts. The decrease, which occurred chiefly in North Arcot and Bellary, was due either to short collections or to the existence of smaller arrears at the beginning of the year, while the increase, which appeared mainly in Gódávari, was the result of the enhanced revenue derived from water-cess. The increase in the receipts under house-tax was due chiefly to the imposition of the tax in six additional unions and to the enhancement of the rate in some of the existing ones. There was a decrease of Rs. 2,554 in the revenue from Local Fund tolls and an increase of Rs. 15,125 in the amount of contributions paid by Municipal Councils on account of tolls levied by them on through traffic. The decrease, which occurred chiefly in South Arcot, was due to the abolition of two gates, while the increase, which appeared mainly in Madura, was due partly to an increase in the amount for which the municipal gates were leased out and partly to the collection of arrears of the previous year.

Expenditure.

The following statement shows the charges of the year under the several heads as compared with the figures for the previous year :—

| | 1897–98. | 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Public works ... ... ... ... ... ... | 35,29,227 | 33,31,367 |
| Public works establishments including tolls and ferries and bungalows ... ... ... ... ... | 6,13,122 | 6,40,214 |
| Tools and plant ... ... ... ... ... ... | 40,191 | 53,100 |
| Contributions to Provincial funds, municipalities, &c.... | 99,253 | 54,106 |
| Education ... ... ... ... ... ... ... ... | 10,95,782 | 10,75,333 |
| Medical and sanitary purposes, &c. .. ... ... | 18,73,480 | 21,34,101 |
| General establishments and contingencies, &c. ... | 5,40,462 | 5,01,718 |
| Investments ... ... ... ... ... ... | 2,07,600 | 2,88,600 |
| Charges under debt heads ... ... ... ... | 3,93,943 | 4,68,688 |
| Total ... | 83,93,060 | 85,47,227 |
| Balance ... | 17,28,380 | 16,00,556 |
| Grand Total ... | 1,01,21,440 | 1,01,47,783 |

The total expenditure on public works was made up of Rs. 5,26,120 spent on the construction of roads, bridges, school houses, dispensaries, markets, &c., and Rs. 28,05,247 on the maintenance of existing works.

Roads.

The mileage of roads constructed and repaired in the several districts and the expenditure incurred thereon are shown in the subjoined statement :—

| Districts. | New works. | | Repairs. | |
|---|---|---|---|---|
| | Number of miles of road constructed. | Expenditure. | Number of miles of road repaired. | Expenditure. |
| | MILES. | RS. | MILES. | RS. |
| 1. Anantapur ... ... ... | 14 | 1,620 | 692 | 21,590 |
| 2. Arcot, North ... ... ... | 12 | 760 | 1,519 | 1,53,655 |
| 3. Arcot, South ... ... .. | 30 | 11,066 | 1,094 | 1,33,272 |
| 4. Bellary .. . ... | ... | ... | 537 | 60,037 |
| 5. Canara, South ... ... | 8 | 1,148 | 1,087 | 75,205 |
| 6. Chingleput ... ... ... | ... | ... | 696 | 98,383 |
| 7. Coimbatore ... ... ... | 8 | 1,661 | 1,652 | 1,73,473 |
| 8. Cuddapah ... ... ... | 3 | 1,302 | 1,248 | 60,250 |
| 9. Ganjám ... ... ... | 1 | 302 | 753 | 1,04,807 |
| 10. Gódávari ... .. .. | ¼ | 218 | 904 | 95,691 |
| 11. Kistna ... ... ... | 25 | 34,759 | 795 | 1,93,084 |
| 12. Kurnool ... .. .. | ¼ | 259 | 463 | 37,761 |
| 13. Madura ... ... ... | ... | ... | 1,223 | 1,73,410 |
| 14. Malabar ... ... ... | 3 | 349 | 1,402 | 1,75,725 |
| 15. Nellore ... ... ... | 2 | 2,571 | 546 | 1,37,120 |
| 16. The Nilgiris ... ... ... | ... | .. | 574 | 80,871 |
| 17. Salem ... ... ... | ... | ... | 1,655 | 1,33,908 |
| 18. Tanjore ... ... ... | 1 | * 21,493 | 1,717 | 1,60,692 |
| 19. Tinnevelly ... ... ... | 2 | 11 | 965 | 1,45,598 |
| 20. Trichinopoly ... ... ... | 3 | 2,562 | 710 | 95,546 |
| 21. Vizagapatam ... ... ... | 11 | 2,941 | 948 | 1,22,065 |
| Total ... | 123½ | 83,013 | 21,180 | 24,32,143 |

* Includes the cost of roads the mileage of which was included in the statement for 1897-98.

The Local Boards continued to maintain their own engineering establishments; but in a few cases special works, such as the construction and maintenance of roads running along tank bunds and canal and channel banks were entrusted to the Public Works Department for execution.

Medical institutions and vaccination.

The Local Boards maintained 131 hospitals as in the previous year; but the number of dispensaries was reduced from 226 to 222. The cost of maintaining these institutions fell from Rs. 5,62,584 to Rs. 5,46,953, and the number of patients treated therein from 2,573,054 to 2,499,198. Excluding ten nurses in Cuddapah who attended 705 labour cases, there were 221 trained midwives employed by the Local Boards at a cost of Rs. 29,291, and they attended altogether 16,312 labour cases, the corresponding figures for the previous year being 210 midwives maintained at a cost of Rs. 26,438 who attended 13,311 cases. The District Boards had, in their employ, 52 Deputy Inspectors of Vaccination and 687 vaccinators including probationers, who performed 909,925 operations against 1,066,287 in the previous year. In addition to this, the medical subordinates attached to Local Fund hospitals and dispensaries performed 14,310 operations against 16,210 in 1897–98. Thus the total number of operations was 924,235, of which 793,563 or 86 per cent. were successful, the corresponding figures for the previous year being 1,082,497 operations, of which 962,223 or 89 per cent. were successful. The average cost of each successful operation by Local Fund vaccinators was As. 4–4 or eight pies more than in the previous year. As in that year, vaccination was conducted exclusively with animal lymph.

Sanitation.

The outlay on sanitation fell from Rs. 5,26,972 to Rs. 5,13,766 as shown below :—

| —— | 1897–98. | 1898–99. |
|---|---|---|
| | RS. | RS. |
| Improvement of water-supply ... ... ... | 1,13,358 | 94,881 |
| Improvement of village-sites ... ... ... ... | 31,058 | 42,970 |
| Conservancy establishments ... ... ... ... | 3,35,654 | 3,37,277 |
| Arrangements at fairs and festivals ... ... ... | 19,081 | 14,842 |
| Other sanitary outlay ... ... ... ... ... | 27,821 | 23,796 |
| Total ... | 5,26,972 | 5,13,766 |

Miscellaneous.

The balance in favour of the Railway Guarantee Fund in the Tanjore district at the commencement of the year was Rs. 7,66,000 in Government securities and Rs. 1,25,897 in cash. A sum of Rs. 12,000 was placed at the disposal of the Agent, South Indian Railway, on account of the survey of the Muttupet-Avadaiyárkóvil

extension and Rs. 2,14,100 were invested in Government securities. The District Board derived a net profit of Rs. 41,285 from the working of the Máyavaram-Muttupet Railway during the twelve months ending December 1898, which represents 3·3 per cent. on the capital outlay. The balance to the credit of this fund at the close of the year was thus Rs. 9,80,100 in Government securities and Rs. 90,378 in cash.

Education. Information regarding the progress of education in Local Fund areas has been furnished in Chapter VII.

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## MUNICIPAL ADMINISTRATION—MUFASSAL. (1898–99.)

General. The number of municipalities administered under Act IV of 1884 was 58. On the 31st March 1899 the municipal councils of these towns had a total strength of 850 members, of whom 58 were Revenue Divisional officers, who were *ex-officio* members, 420 were nominated by Government and 372 were elected by the tax-payers and inhabitants, the corresponding figures for the previous year being 58 *ex-officio*, 443 nominated and 367 elected members. Including those elected, 197 were official members and 653 were non-officials against 194 and 674, respectively, in the previous year. Classified according to nationality, 147 were European or Eurasian and 703 were native members against 145 and 723, respectively, in 1897–98. The municipal councils of Adóni, Srívilliputúr, Tinnevelly and Srírangam consisted entirely of native members. The total number of meetings held by the municipal councils was 1,685 or 25 less than in 1897–98, and the average attendance at each meeting fell from 8·8 to 8·4. The elective system of appointing councillors was in force in 36 municipalities against 34 in the previous year; and of these 32 were divided into wards for electoral purposes, while in the remaining 4 the councillors were elected by the town as a whole. 20 other municipalities to which this system had been extended did not exercise the privilege during the year. The right of electing the Chairman was enjoyed by 38 municipal councils or 1 less than in 1897–98, the privilege having been withdrawn from the municipal council of Tellicherry, owing to the extreme inefficiency of the administration in previous years.

Receipts. The following statement shows the receipts from the several sources as compared with the figures for the previous year:—

| Receipts. | Actuals, 1897–98. | Actuals, 1898–99. |
|---|---|---|
| | Rs. | Rs. |
| Balance brought forward ... | 10,85,636 | * 5,04,756 |
| Tax on buildings and lands ... ... ... ... | 7,09,610 | 7,69,590 |
| Water and drainage tax on buildings and lands ... ... | 97,137 | 1,22,811 |
| Tax on vehicles, animals and carts ... ... ... ... | 1,68,525 | 1,75,231 |
| Tax on arts ... ... ... ... ... ... ... | 1,92,282 | 1,96,862 |
| Tax on private, menial and domestic male servants ... | 561 | 2,447 |
| Tolls ... ... ... ... ... ... ... ... | 3,58,951 | 3,67,240 |
| Realizations under Special Acts ... ... ... ... | 10,357 | 8,924 |
| Rent of lands, buildings, &c., and sale-proceeds of lands, &c. | 66,633 | 52,398 |
| Conservancy receipts ... ... ... ... ... | 26,281 | 31,580 |
| Fees and revenue from educational institutions ... ... | 1,16,256 | 1,20,531 |
| Do. medical institutions ... ... | 10,255 | 10,637 |
| Income from markets and slaughter-houses ... ... | 1,89,455 | 1,90,660 |
| License fees ... ... ... ... ... ... ... | 35,323 | 39,335 |
| Other fees ... ... ... ... ... ... ... | 36,316 | 38,005 |
| Fines under Municipal and other Acts ... ... ... | 32,768 | 40,518 |
| Interest on investments and premium on loans ... ... | 18,683 | 13,933 |
| Grants and contributions from Government ... ... | 2,86,403 | 1,21,286 |
| Do. from Local Boards ... ... | 98,527 | 99,849 |
| Do. from other bodies ... ... | 32,905 | 25,774 |
| Recoveries for services rendered to private individuals ... | 1,02,603 | 1,17,021 |
| Miscellaneous ... ... ... ... ... ... | 17,692 | 59,231 |
| Sale-proceeds of Government securities and realizations of Sinking fund ... ... ... ... ... ... | 1,01,679 | 51,898 |
| Loans ... ... ... ... ... ... ... ... | 1,15,380 | ... |
| Advances recovered ... ... ... ... ... ... | 96,525 | 1,26,051 |
| Total receipts ... | 29,21,107 | 27,81,812 |
| Total, including balance ... | 40,06,743 | 32,86,568 |

* This is Rs. 718 more than the closing balance of 1897–98 as shown in that year's accounts, the difference being due to corrections made after audit.

There was again a decrease of Rs. 1,39,295 in the current receipts, owing chiefly to a fall under grants from Government, sale-proceeds of Government securities and loans, which was partly counterbalanced by an increase under the several taxes, miscellaneous and advances recovered.

Incidence of taxation.

The average incidence of municipal taxation per head of the population was As. 15-4 including tolls and As. 11-11 excluding them against As. 14-4 and As. 11, respectively, in 1897-98. As in previous years, taxation including tolls was heaviest in Ootacamund (Rs. 3-13-8) and Coonoor (Rs. 3-9-8), and lowest in Srívilliputtúr (As. 6-11).

Charges.

The following abstract shows the charges under the several heads as compared with the figures for the previous year:—

| Charges. | Actuals, 1897-98. | Actuals, 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Grant 1—Public works— | | |
| Roads | 2,69,787 | 2,30,742 |
| Buildings | 1,23,443 | 82,552 |
| Miscellaneous public improvements | 42,939 | 2,306 |
| Drainage | 42,416 | 58,956 |
| Water-supply | 5,23,676 | 1,81,017 |
| Establishment | 29,990 | 30,468 |
| Tools, plant and other stores | 4,508 | 2,616 |
| Contributions for Public works | 4,340 | 6,371 |
| Total | 10,41,099 | 5,95,028 |
| Grant 2—Education | 3,42,801 | 3,52,361 |
| Grant 3—Medical services and sanitation— | | |
| Hospitals and dispensaries | 2,87,710 | 2,80,400 |
| Vaccination | 23,228 | 21,324 |
| Registration of births and deaths | 15,104 | 14,877 |
| Conservancy, road-cleaning and road-watering | 6,67,555 | 7,15,291 |
| Contributions | 23,344 | 24,947 |
| Total | 10,16,941 | 10,56,839 |
| Grant 4—Lighting and miscellaneous purposes— | | |
| Lighting | 1,12,766 | 1,03,403 |
| Markets and slaughter-houses | 12,033 | 10,519 |
| Choultries and travellers' bungalows | 22,335 | 24,743 |
| Avenues | 7,042 | 7,316 |
| Public garden, survey of land, fire and other charges | 1,03,403 | 71,170 |
| Total | 2,57,579 | 2,17,151 |
| Grant 5—Supervision and management | 2,17,264 | 2,22,543 |
| Repayment of loans | 52,441 | 54,349 |
| Interest on debt | 64,522 | 65,274 |
| Advances | 4,89,588 | 44,909 |
| Refunds | 19,308 | 5,383 |
| Pensions and gratuities | 1,040 | 1,147 |
| Investments | 122 | 65 |
| Total | 35,02,705 | 26,15,049 |
| Closing balance | 5,04,038 | 6,71,519 |
| Total, including balance | 40,06,743 | 32,86,568 |

The total charges amounted to Rs. 26,15,049 or Rs. 8,87,656 less than those of 1897-98, a decrease which appears mainly under grants 1 and 4 and advances being partly met by an increase under grant 3.

Roads.

Of the total expenditure on public works, Rs. 2,30,742 or 64·8 per cent. of the revenue from tolls were devoted to the construction and repair of municipal roads.

Water-supply and drainage. The water-supply schemes of Cocanada, Tirupati and Vizagapatam were in progress; and those of Coonoor, Bezwada and Vizianagram were under the consideration of Government at the close of the year.

Education. Education in municipalities has been dealt with in Chapter VII.

Medical relief. Every municipality was provided with, at least, one hospital or dispensary towards the maintenance of which a contribution was generally received from local funds. In these institutions 22,573 in-patients and 1,299,045 out-patients were treated against 25,750 and 1,328,932, respectively, in 1897–98. Detailed information regarding medical relief, vaccination, vital statistics and sanitation has been furnished in Chapter VI.

Lighting. The cost of lighting the municipalities amounted to Rs. 1,03,403 against Rs. 1,12,766 in the previous year.

Miscellaneous. The amount of public debt outstanding against the several municipalities at the end of the year was Rs. 14,41,580, towards the repayment of which a sinking fund of Rs. 47,900 had been formed.

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## MUNICIPAL ADMINISTRATION—MADRAS TOWN. (1898–99.)

Financial. The receipts and charges of the Madras Municipality are shown below :—

*Receipts.*

| | Rs. |
|---|---|
| Opening balance ... ... ... .. | 3,05,396 |
| Municipal rates and taxes ... ... ... | 9,62,966 |
| Revenue derived from Municipal property, &c. | 2,67,804 |
| Grants and contributions ... ... ... | 82,349 |
| Miscellaneous ... ... ... ... ... | 29,605 |
| Extraordinary and debt ... ... ... | 2,29,136 |
| Advances recovered ... ... ... ... | 6,272 |
| | 15,28,132 |
| Grand Total ... | 18,33,528 |

*Charges.*

| | Rs. |
|---|---|
| Public works ... ... ... ... ... | 6,43,964 |
| Education ... ... ... ... ... | 12,673 |
| Sanitation and medical services ... ... | 5,32,363 |
| Miscellaneous municipal purposes ... ... | 1,86,859 |
| Supervision and management ... ... | 93,820 |
| Repayment of debt ... ... ... ... | 54,770 |
| Interest on loans ... ... ... ... | 1,52,990 |
| Advances recoverable ... ... ... ... | 95,832 |
| Refund of other than current collections ... | 11,881 |
| Pensions and gratuities ... ... ... | 8,962 |
| | 17,94,114 |
| Closing balance ... ... ... ... | 39,414 |
| Grand Total ... | 18,33,528 |

In 1897–98 the revenue and receipts, inclusive of an opening balance of Rs. 4,78,731 and a suspense of Rs. 13,613, amounted to Rs. 20,08,973, and the charges to Rs. 17,03,577 with a suspense of Rs. 5,185. The incidence of taxation per head of population was Rs. 2–2–1 against Rs. 2–2–4 in the previous year.

New works—*Communications.* Avadanam Papaiyar lane was opened into Vijiavigneswarar Covil street and Ashtabujam Road, a culvert was constructed in Lang's Garden Road, the sides of Haddow's Road were rail-fenced, and the over-bridge at Elephant Gate was completed.

*Buildings.* A portion of the Moore Market was almost completed, and the Commissioners recommended to raise a further loan of Rs. 1,50,000 for completing the remaining three sides. A chimney for the incinerator was constructed to a height of 180 feet and 12 furnaces were also completed. A Horbury latrine was removed from Beach Road and fixed at Karikatha Covil Parcherry. A shed for Vaccination Depot in Cutcherry Road, a shed for the burial and burning ground in Mylapore, a toll station at the limits of Erukancherry Road, Nos. I and II cottages on the Delivery channel were constructed. The boiler house at Ráyapuram was being extended. Lands were acquired for the extension of Royapettah Hospital and for a lorry station on Coum Road.

*Drainage.* The Mylapore drainage was completed; pipes were laid in Sydenham's Road and manholes constructed. Stoneware pipes were laid for connecting the drain from Ráyapuram barracks with manhole No. 7 in Old Jail street, a masonry drain was constructed in Narayanappa Naick's garden, and the walls of the drain in North Beach Road were raised and the drain near Shand's Press, Ráyapuram, was renewed with cement pipes.

*Water-supply.*

During the year 1,417 yards of pipes were laid and 14 fountains, 5 valves, 14 stop-cocks, 1 hydrant and 1 meter were fixed against 1,864 yards of pipes, 26 fountains, 9 valves, 31 stop-cocks, 17 hydrants and 8 meters in 1897–98.

Repairs—*Communications.*

In the year under report 1¼ miles of road were metalled for the first time and 20·93 miles were re-metalled. The cost, exclusive of rolling, was Rs. 61,154, or Rs. 2,922 a mile, as compared with 23·22 miles at Rs. 2,924 in 1897–98. Culvert No. 5 in Erukancherry Road and the double-arched culvert on the southern side of Viyasarpady Railway Station were repaired, and the culverts in sixth and eighth divisions were examined and silt removed therefrom. The Victoria Bridge and the Wooden Bridge at flower garden in the seventh division were repaired and painted.

*Buildings.*

During the year the Municipal office premises, Royapettah Hospital, vaccination shed at Chintadripet, the Chulay slaughter-house, the Perambore bullock slaughter-house and the latrines in Lalagunta hutting ground, Poolian Tope Parcherry and Monegar Choultry slaughter-house road were repaired.

*Drainage.*

Some petty repairs were done to the several drains in the City.

*Water-supply.*

On the 1st April 1898, the level of the Red Hills lake stood at 40·45 and on 31st March 1899 at 43·43. On the 22nd July 1898, the level fell to 35·85 and the water had to be pumped up to 12th September 1898. The cleaning of pipes laid between the years 1870 and 1882 was commenced on 20th October 1898, and 157,240 feet of pipes were cleaned by 28th June 1899 at a cost of Rs. 49,712. The quantity of water supplied to the City was 496,761,498 cubic feet against 479,789,325 cubic feet in 1897–98.

Education.

A sum of Rs. 12,673 was spent on education, Rs. 1,140 for establishment, Rs. 47 for contingencies and Rs. 11,486 for various grants paid to poor schools. There were 10 secondary schools with 1,865 pupils and 133 primary schools with 7,495 pupils at the close of the year.

Hospitals and dispensaries.

The Triplicane Hospital and the Black Town Dispensary were respectively maintained at a cost of Rs. 13,860 and Rs. 7,617 against Rs. 12,649 and Rs. 7,286 in 1897–98. The number of in- and out-patients treated in the former was, respectively, 1,194 and 20,801, and the number of out-patients treated in the latter was 46,403.

Contribution.

On account of hospitals Rs. 20,000 was contributed as usual, and for the Medical College Rs. 8,159 was paid against Rs. 6,378 in 1897–98. To the St. Thomé Dispensary the usual monthly grant of Rs. 66–10–8 and the annual grant of Rs. 200 were paid. The monthly grant of Rs. 20 to St. Thomas' Convent and the annual grant of Rs. 500 to Victoria Caste and Gosha Hospital were contributed. A special contribution of Rs. 2,500 for the Native Infirmary sanctioned in 1897–98 was paid during the year.

Vaccination.

The total number of cases vaccinated was 28,186, of which 25,066 or 95·79 were successful against 30,426 or 96·76 in 1897–98, and the number of infants vaccinated was 13,643 against 15,323 in the preceding year. 13,381 or 99·58 were successful against 15,083 or 99·70 in 1897–98. The total cost of vaccination was Rs. 11,570 against Rs. 11,579, or As. 6–2 per case of successful vaccination against As. 5–1 in 1897–98.

Registration of births and deaths.

The total number of births registered in 1898 was 18,694 against 18,702 in 1897. The ratio per mille per annum was 41·3, the same as in the previous year. The number of deaths was 20,286 or 44·8 against 16,086 or 35·5 in 1897, the average for the decade being 39·7. There were 7 deaths from plague against 2 in 1897—all of them being imported cases.

Conservancy.

Rs. 4,57,863 were spent under this head against Rs. 3,14,426 in 1897–98.

Sewage farm.

The receipt amounted to Rs. 40,581 against Rs. 36,583 in 1897–98.

Lighting.

The total cost of maintenance during the year was Rs. 61,583 against Rs. 64,981 in 1897–98. The number of lamps on 31st March 1899 was 5,844 against 5,837 at the close of 1897–98.

Parks.

The People's Park and the Napier Park were maintained at a cost of Rs. 21,625 against Rs. 22,100 in 1897–98.

Fire. The expenditure under this head was Rs. 7,727 against Rs. 10,406 in 1897–98. There were 10 fires during the year.

Contribution—General. The usual contribution of Rs. 50,000 was made to Provincial Funds for general purposes.

Supervision and management. The total expenditure under this head was Rs. 93,820 or 6·13 per cent. of the total revenue and receipts of Rs. 15,28,132.

Repayment of debts. The following table shows the progress of Sinking Funds towards liquidation of loans:—

| Loans. | Balance on 31st March 1898. | | | Receipts during 1898-99. | | Total. | | Payments during 1898-99. | | Balance on 31st March 1899. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Amount of loans. | In Government securities. | In cash. | In Government securities. | In cash. | In Government securities. | In cash. | In Government securities. | In cash. | In Government securities. | In cash. |
| | Rs. | Rs. | Rs. A. P. | Rs. | Rs. A. P. | Rs. | Rs. A. P. | Rs. | Rs. A. P. | Rs. | Rs. A. P. |
| Water-works loan of 1869-73 | 14,30,000 | 8,22,300 | 14 5 5 | 29,900 | 28,690 0 0 | 8,52,200 | 28,614 5 5 | ... | 28,605 10 10 | 8,52,200 | 8 10 7 |
| Debenture loan of 1879 ... | 20,000 | 8,900 | 59 11 5 | 800 | 754 2 0 | 8,700 | 813 13 5 | ... | 790 2 10 | 9,700 | 23 10 7 |
| Water-supply extension loan of 1882 ... | 2,50,000 | 1,03,600 | 54 1 9 | 8,200 | 8,290 1 8 | 1,11,800 | 8,344 3 5 | ... | 8,229 13 5 | 1,11,800 | 114 6 0 |
| Black Town drainage loan of 1882 .. | 1,00,000 | 41,400 | 85 1 7 | 3,300 | 3,309 5 7 | 44,700 | 3,394 7 2 | ... | 3,318 10 0 | 44,700 | 75 13 2 |
| Black Town drainage loan of 1883... | 3,00,000 | 1,11,000 | 91 12 9 | 10,300 | 9,876 10 11 | 1,21,300 | 9,968 7 8 | ... | 9,957 13 5 | 1,21,300 | 10 10 3 |
| Black Town drainage loan of 1885 .. | 3,00,000 | 86,000 | 88 11 5 | 9,200 | 8,750 6 7 | 95,200 | 8,839 2 0 | .. | 8,823 15 7 | 95,200 | 15 2 5 |
| Black Town drainage loan of 1887 .. | 1,00,000 | 8,800 | 52 11 1 | 1,100 | 1,130 9 10 | 9,900 | 1,183 4 11 | ... | 1,090 6 1 | 9,900 | 92 14 10 |
| Black Town drainage loan of 1888 .. | 1,50,000 | 11,800 | 90 7 10 | 1,700 | 1,577 3 3 | 13,500 | 1,667 11 1 | ... | 1,631 12 10 | 13,500 | 35 14 3 |
| Black Town drainage loan of 1889 .. | 1,50,000 | 10,500 | 45 3 1 | 1,600 | 1,580 1 1 | 12,100 | 1,625 4 2 | ... | 1,588 10 4 | 12,100 | 36 9 10 |
| Water-works loan of 1889 ... ... | 20,000 | 1,400 | 9 14 1 | 200 | 218 10 11 | 1,600 | 228 9 0 | ... | 201 9 9 | 1,600 | 26 15 3 |
| Black Town drainage loan of 1890 . | 50,000 | 3,000 | 65 12 5 | 500 | 506 7 8 | 3,500 | 572 4 1 | ... | 498 14 11 | 3,500 | 73 5 2 |
| Water-works loan of 1895 ... | 4,00,000 | 8,900 | 84 8 8 | 3,600 | 3,420 0 9 | 12,500 | 3,504 9 5 | ... | 3,470 10 4 | 12,500 | 33 15 1 |
| Market loan of 1897. | 1,00,000 | 800 | 69 3 3 | 900 | 893 10 3 | 1,700 | 962 13 6 | ... | 871 6 4 | 1,700 | 91 7 2 |
| Plague loan ... | 2,00,000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 35,70,000 | 12,18,400 | 811 8 9 | 71,300 | 68,907 6 6 | 12,89,700 | 69,718 15 3 | ... | 69,079 8 8 | 12,89,700 | 639 6 7 |

Interest on loans. Rs. 1,52,990 were paid during the year against Rs. 1,51,065 in 1897–98.

Pension and gratuities. Rs. 8,962 were paid against Rs. 11,391 in 1897–98.

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## ECCLESIASTICAL. (1898–99.)

General. On the 31st of March 1899 the number of clergymen in the Diocese of Madras was 253 against 258 in the previous year. Of these, 34 were chaplains, 12 were Europeans and Eurasians employed in education or ministering to European congregations or retired, 47 were European missionaries, 148 were Native clergymen with spiritual or educational charges and 12 were otherwise employed or retired. At the close of the year there were 19 clergymen not being chaplains ministering to European and Eurasian congregations. There were 9 deaths against 12 in the preceding year. Eight chaplains and 8 missionaries were absent on furlough on 31st March 1899. Two chaplains, 3 European missionaries and 5 Native clergymen were newly appointed. The Right Reverend F. Gell, D.D., Bishop of Madras, after an episcopate extending over more than 37 years, resigned on the 15th February 1899.

Ordinations. Four ordinations were held, at which 1 European and 8 Natives were ordained priests, 1 European and 4 Natives were ordained deacons.

Confirmations. The number of persons confirmed during the year fell from 1,822 to 1,556, of whom 560 were Europeans and Eurasians and 996 Natives.

Consecrations. Two cemeteries at Bolarum were dedicated by the Bishop in Tinnevelly and Madura.

The Bishop of Madras visited Coimbatore. The Bishop in Tinnevelly and Madura, acting under a commission from the Bishop of Madras, visited Yercaud, Salem, Jalarpet, Trimulgherry, Bolarum, Secunderabad, Chadarghaut, Bangalore, Cuddalore, Pondicherry and several small stations. Visitations.

Offertories and other voluntary gifts made through the clergy by Europeans and Eurasians in church or otherwise amounted to Rs. 1,47,656 against Rs. 1,38,734 in the previous year. Voluntary contributions.

## STATIONERY DEPOT. (1898-99.)

The subjoined statement shows the total receipts and issues of the year as compared with those of the previous year :— Receipts and value of stock.

| — | 1897-98. | 1898-99. |
|---|---|---|
| | Rs. | Rs. |
| Value of stock at the beginning of the year ... ... ... | 2,75,211 | 3,52,992 |
| Value of stores received ... ... ... ... ... ... | 7,96,402 | 6,69,764 |
| Total ... | 10,71,613 | 10,22,756 |
| Value of stores issued ... ... ... ... ... ... | 7,18,621 | 6,24,926 |
| Value of stock at the end of the year ... ... ... ... | 3,52,992 | 3,97,830 |

The value of stores received from the Secretary of State amounted to Rs. 1,92,440 against Rs. 2,92,224 in 1897-98. Except under items school books and materials and local purchase of European articles, there was considerable reduction under all the other heads of receipts.

1,448 indents were received and complied with during the year against 1,014 in 1897-98, and the total value of issues amounted to Rs. 6,24,926 against Rs. 7,18,621, or Rs. 93,695 less than in the previous year. The details are shown in the subjoined statement :— Issues.

| Departments. | Issues in 1897-98. | Issues in 1898-99. | Increase. | Decrease. | Issues for 1897-98. | Issues for 1898-99. | Increase. | Decrease. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Imperial ... ... ... | 13,909 | 11,041 | ... | 2,868 | 10,796 | 12,229 | 1,433 | ... |
| Provincial— | | | | | | | | |
| Land revenue ... ... | 2,32,037 | 2,79,600 | 47,563 | ... | 2,22,238 | 2,65,899 | 43,661 | ... |
| Salt ... ... ... | 34,202 | 28,258 | ... | 5,944 | 34,592 | 22,285 | ... | 12,307 |
| Stamps ... ... ... | 13,788 | 9,235 | ... | 4,553 | 381 | 22,877 | 22,496 | ... |
| Customs ... ... ... | 1,018 | 857 | ... | 161 | 623 | 884 | 261 | ... |
| Forest ... ... ... | 13,703 | 9,587 | ... | 4,116 | 12,958 | 11,066 | ... | 1,892 |
| Registration ... ... | 87,913 | 22,444 | .. | 65,469 | 73,785 | 61,416 | ... | 12,369 |
| General administration ... | 38,301 | 21,989 | ... | 16,312 | 28,531 | 29,087 | 556 | ... |
| Law and Justice (Judicial) ... | 37,111 | 26,698 | ... | 10,413 | 47,345 | 28,942 | ... | 18,403 |
| Do. ( Jail ) ... | 1,779 | 874 | ... | 905 | 1,695 | 1,347 | ... | 348 |
| Police ... ... ... | 21,696 | 18,620 | ... | 3,076 | 22,629 | 18,464 | ... | 4,165 |
| Marine ... ... ... | 154 | 112 | ... | 42 | 140 | 78 | ... | 62 |
| Educational ... ... ... | 7,559 | 18,708 | 11,149 | ... | 5,444 | 21,686 | 16,242 | ... |
| Ecclesiastical ... .. | 174 | 203 | 29 | ... | 294 | 92 | ... | 202 |
| Medical ... ... ... | 9,211 | 4,300 | ... | 4,911 | 5,867 | 5,551 | ... | 316 |
| Political ... ... ... | 567 | 759 | 192 | ... | 435 | 424 | ... | 11 |
| Scientific and other minor departments ... ... | 2,535 | 2,501 | ... | 34 | 2,329 | 2,278 | ... | 51 |
| Stationery and printing ... | 65,010 | 54,312 | ... | 10,698 | 57,039 | 57,795 | 756 | ... |
| Civil works ... ... ... | 41,202 | 14,411 | ... | 26,791 | 36,279 | 33,341 | ... | 2,938 |
| Army and military ... ... | 33,639 | 29,515 | ... | 4,124 | 30,786 | 35,172 | 4,386 | ... |
| Port fund ... ... ... | 1,200 | 969 | ... | 231 | 1,248 | 722 | ... | 526 |
| Total ... | 6,42,799 | 5,43,952 | 58,933 | 1,57,780 | 5,84,638 | 6,19,406 | 88,358 | 53,590 |
| Net ... | ... | ... | ... | 98,847 | ... | ... | 34,768 | ... |
| Sales ... | 40,982 | 43,258 | 2,276 | ... | 40,982 | 43,258 | 2,276 | ... |
| Adjustment ... ... | 20,931 | 26,675 | 5,744 | ... | 20,93 | 26,675 | 5,744 | ... |
| Total ... | 7,18,621 | 6,24,926 | 66,953 | 1,60,648 | 6,57,347 | 7,01,568 | 97,811 | 53,590 |
| Net ... | ... | ... | ... | 93,695 | ... | ... | 44,221 | ... |

The above statement shows that there was a total increase of Rs. 88,358 and a decrease of Rs. 53,590 in the issues for 1898–99 under provincial, the net result being an advance of Rs. 34,768. The increase was chiefly due to the demands of the Land Revenue, Stamps and Educational departments.

**Substitution of country for European articles.**

Country articles were purchased to the value of Rs. 3,60,924 against Rs. 3,60,357 in 1897–98, and the estimated loss amounted to Rs. 6,234 against an estimated gain of Rs. 1,58,189 in the previous year.

**Cash accounts.**

The total receipts and charges during the year were Rs. 57,354 and Rs. 5,15,497 against Rs. 37,872 and Rs. 4,55,197, respectively, in 1897–98. The increase under receipts included the value of stationery supplied by the Superintendent of Stationery, Calcutta, to the State Railways in this Presidency, and that under charges due to the large amounts paid on account of purchase made in the previous year and also to the purchase of special water-marked paper and locks.

**Consumption.**

There was a general increase during the year in the consumption of all articles except writing paper and wax cloth. The value of rubber stamps, ink pads, &c., was Rs. 14,127 against Rs. 7,130 in the previous year.

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## GOVERNMENT PRESS AND ITS BRANCH AT THE PENITENTIARY. (1898–99.)

**Accounts.**

The total receipts were Rs. 71,756 against Rs. 65,012 during 1897–98, and the cash realizations Rs. 35,696 against Rs. 32,448. There was an increase under receipts for subscription to gazette, for sale of Acts and publications, and for printing and binding; the sale of the Civil Medical Code realized Rs. 1,950, and the enhanced prices for all publications excepting Acts contributed to the larger receipts. There was a decrease under subscription to Indian Law Reports. Rs. 35,496 were remitted to the Bank against Rs. 31,919. The amount recovered under adjustments was Rs. 36,259 against Rs. 33,092 in 1897–98. The amount paid into the district treasuries on account of press transactions amounted to Rs. 5,924. The budget grant was Rs. 2,58,200, and it was supplemented by an additional grant of Rs. 5,200 for payment of piece-work establishment, overtime allowances and contingencies. The disbursements were Rs. 2,70,321 against Rs. 2,51,895 in 1897–98. There was an increase of Rs. 2,241 for the printing establishment, Rs. 925 for the piece-work establishment, Rs. 1,307 for overtime, and Rs. 8,470 for railway charges for the despatch of printed forms and district gazette supplements which were formerly borne by the several Collectors. The increase under convict labour of Rs. 2,512 was caused by 13 months' labour charges being included in the official year. The value of the plant was Rs. 4,48,289 against Rs. 4,36,050 in 1897–98. The cost of the plant received from England was Rs. 7,994 against Rs. 6,822 in 1897–98.

**Printing.**

The following works were completed during the year:—Local Fund Code, vols. i and ii, and reference tables; Drill Manual, part i, Salt, &c., department; Report of the Famine of 1896 and 1897, vols. i and ii; Selection from the Records of Nayar Brigade of Travancore; the Engineering Works of the Kistna Delta, vols. i and ii; The Madras Inspection Code, 2nd edition; Coimbatore District Manual, vol. ii; Alphabetical Index to India Ordnance Circular Orders, &c.; Savings Bank Rules (Tamil), (Telugu), (Canarese) and (Malayalam) reprinted; General Index of Government Orders of the Presidency Port Officer; Manual of Building Materials, 2nd edition; Syllabus of work orders for the Gun Carriage Factory; Bulletin, vol. ii, No. 2, of Madras Government Museum; Land Surveying for Village Karnams, part i (English); the Madras Civil Medical Code; Report on a Search for Sanskrit and Tamil Manuscripts, No. i; the Madras Plague Regulations (in English and the several vernaculars). Accountant-General's General Orders; Manual of the Record Department; Manual of the Treasury Account Department; The Madras Treasury Manual, 1st edition; Special Fund Code, 1st edition; Manual of Appointments and Allowances of Gazetted Officers; and various other publications were in progress. Work was undertaken for 348 offices and departments. The cost for printing was Rs. 2,62,068 against Rs. 2,49,311 in the preceding

year. Reduced to an equivalent of solid pica foolscop folio, there were 3,013 pages less and 4,496,564 impressions more than in the preceding year. At the Government Press there was a decrease of 3,895 pages and an increase of 1,719,940 impressions, and at the Penitentiary Branch there was an increase of 882 pages and 2,776,624 impressions, making a total increase of 4,496,564 impressions and a decrease of 3,013 pages. The matter set up and re-made during the year is shown in the following statement :—

| | 1897-98. | 1898-99. | Difference. |
|---|---|---|---|
| *Government Press.* | | | |
| Original matter equal to foolscap pages ... ... ... ... | 204,743 | 200,848 | — 3,895 |
| Re-made up matter ... ... ... ... ... ... ... | 15,838 | 17,927 | + 2,089 |
| Impressions struck off ... ... ... ... ... ... | 26,916,647 | 28,636,587 | +1,719,940 |
| *Penitentiary Press.* | | | |
| Original matter equal to foolscap pages ... ... ... | 8,614 | 9,496 | + 882 |
| Impressions struck off ... ... ... ... ... ... | 25,948,892 | 28,725,516 | +2,776,624 |

At the Government Press there was an increase of 6 pies in the cost per page and of 1 anna 10 pies in the cost per 1,000 impressions ; at the Penitentiary Branch the cost per page was the same as last year, but in the cost per 1,000 impressions there was a decrease of 9 pies. The cost of the binding department was Rs. 34,587 against Rs. 33,513 in 1897-98.

Type foundry.

During the year two (one type and one space) moulds, 400 punches and 418 matrices were made, and 161 matrices were renewed. The outturn consisted of 20,979 lb. of English types, 3,113 lb. of vernacular types, 4,449 lb. of spaces, 15,756 lb. of quadrats, 12,022 lb. of leads, 5,870 lb. of quotations, 133 lb. of cheques and 1,885 lb. of stereoplates. The expenditure was Rs. 20,267 against Rs. 18,379 in 1897-98. The metal used for casting cost 2 annas $4\frac{1}{2}$ pies per lb. against 2 annas in 1897-98; the average cost of types, &c., cast was As. 4-$4\frac{3}{4}$, being $3\frac{5}{8}$ pies more than last year. The cost of production per lb. for each size of type varied from 4 annas for great primer to $9\frac{1}{2}$ annas for nonpareil, and for quadrats from 3 annas to 7 annas, for leads 3 annas, for quotations 3 annas, and for cheques 4 annas.

Miscellaneous.

The strength of the establishment on the 31st March 1899 was 1,272 or 55 more than that on the corresponding date in 1898. At the Government Press the average monthly earnings of compositors were Rs. 14-6-6 against Rs. 15-1-5 in 1897-98, while those at the Penitentiary Press were Rs. 8-11-10 against Rs. 8-12-2 in 1897-98.

Expenditure.

The following statement shows the value of work done and the expenditure as compared with the figures of the preceding year :—

| Expenditure. | 1898-99. | 1897-98. | Cost of work done. | 1898-99. | 1897-98. |
|---|---|---|---|---|---|
| *Government Press.* | Rs. A. P. | Rs. A. P. | | Rs. A. P. | Rs. A. P. |
| Printing ... ... | 1,97,138 2 8 | 1,90,571 9 7 | To cost of printing work done. | 2,32,431 2 0 | 2,22,090 14 8 |
| Binding ... ... | 23,683 11 5 | 22,989 13 3 | To cost of binding work done. | 24,829 1 1 | 23,882 7 3 |
| Type foundry ... ... | 19,185 1 4 | 17,532 4 3 | To cost of types, &c., cast. | 20,267 4 9 | 18,378 8 2 |
| Publications, &c. ... | 2,866 4 3 | 2,581 3 4 | To cost incurred in attending sales, for despatch of official reports, publications, and for checking bills. | 2,896 4 3 | 2,581 3 4 |
| Miscellaneous ... ... | 37,550 8 5 | 33,258 3 0 | | | |
| *Penitentiary Branch.* | | | | | |
| Printing ... ... | 27,061 4 0 | 24,753 15 9 | To cost of printing work done. | 29,636 7 4 | 27,220 0 8 |
| Binding ... ... | 9,559 5 11 | 9,717 13 8 | To cost of binding work done. | 9,758 6 4 | 9,630 2 7 |
| Miscellaneous ... ... | 2,774 3 9 | 2,378 5 10 | To cost of dealwood boxes and packing materials. | 1,611 13 11 | 1,044 6 1 |
| To dealwood boxes and packing materials. | 1,611 13 11 | 1,044 6 1 | To Railway charges ... | 8,470 1 3 | ..... |
| To Railway charges ... | 8,470 1 3 | ..... | Total ... | 3,29,900 8 11 | 3,04,827 10 9 |
| Total ... | 3,29,900 8 11 | 3,04,827 10 9 | | | |

## LAWRENCE ASYLUM PRESS. (1898.)

The financial results of the Lawrence Asylum Press, Madras, during 1898 are compared below with those of 1897 :—

| Years. | Opening cash balance. | * Receipts. | Disbursements. | Outturn of work including books on commission sale, &c. |
|---|---|---|---|---|
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1897 ... .. ... | 7,605 12 11 | 1,67,894 12 0 | 1,52,679 11 0 | 78,736 15 5 |
| 1898 ... ... ... | 22,820 13 11 | 1,56,202 15 2 | 1,54,270 11 11 | 90,450 7 3 |

* Excluding opening balance.

The total cost of work done for Government in 1898 was Rs. 26,284–3–4 against Rs. 28,692–9–4 in 1897.

## DISTRICT PRESSES. (1898–99.)

The following statement shows the value of work turned out by the several District Presses and the receipts and charges compared with those of the previous year :—

| Districts. | 1897–98. | | | 1898–99. | | |
|---|---|---|---|---|---|---|
| | Estimate *of the value of work done. | Receipts. | Charges. | Estimate of the value of work done. | Receipts. | Charges. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Ganjám ... ... ... | 2,873 | 274 | 3,476 | 3,085 | 463 | 2,691 |
| Vizagapatam ... ... ... | 3,174 | 268 | 2,320 | 3,761 | 267 | 2,505 |
| Gódávari ... ... ... .. | 3,963 | 1,379 | 2,792 | 3,951 | 1,197 | 2,779 |
| Kistna ... ... .. ... | 4,021 | 660 | 3,156 | 3,620 | 602 | 2,721 |
| Nellore ... ... ... ... | 3,260 | 193 | 2,591 | 3,507 | 164 | 2,755 |
| Cuddapah ... ... ... ... | 4,409 | 370 | 2,651 | 2,850 | 312 | 2,593 |
| Anantapur ... ... ... ... | 3,644 | 293 | 2,989 | 3,134 | 259 | 2,585 |
| Bellary ... ... ... ... | 4,636 | 927 | 2,658 | 4,822 | 622 | 2,680 |
| Kurnool ... ... ... ... | 4,688 | 1,102 | 3,752 | 3,796 | 1,125 | 2,895 |
| Chingleput ... ... ... ... | 4,027 | 444 | 2,443 | 4,495 | 445 | 2,851 |
| North Arcot ... ... ... | 5,989 | 1,853 | 3,313 | 5,830 | 1,665 | 2,739 |
| South Arcot ... ... ... | 2,345 | 480 | 3,065 | 2,790 | 577 | 2,671 |
| Tanjore ... ... ... ... | 6,587 | 1,206 | 3,995 | 6,081 | 1,023 | 3,655 |
| Trichinopoly ... ... ... | 4,899 | 686 | 2,333 | 4,842 | 872 | 2,979 |
| Madura ... ... ... ... | 3,912 | 2,021 | 3,674 | 4,063 | 1,755 | 3,372 |
| Tinnevelly ... ... ... ... | 4,341 | 1,000 | 2,315 | 4,123 | 1,018 | 2,448 |
| Coimbatore ... ... ... ... | 4,362 | 722 | 2,463 | 4,119 | 691 | 2,447 |
| The Nilgiris ... ... ... ... | 3,659 | 1,261 | 2,654 | 3,731 | 947 | 3,044 |
| Salem ... ... ... ... | 3,794 | 638 | 2,822 | 3,964 | 523 | 3,056 |
| South Canara ... ... ... | 4,413 | 1,403 | 2,985 | 3,982 | 1,919 | 2,239 |
| Malabar .. ... ... ... | 5,709 | 655 | 3,555 | 5,489 | 1,181 | 3,308 |
| Total ... | 88,705 | 17,835 | 62,002 | 86,035 | 17,627 | 59,013 |

* Revised figures have been reported by some Collectors.

# CHEMICAL EXAMINER'S DEPARTMENT. (1898.)

The following statement shows the work done by the Chemical Examiner during the year and that preceding it:—

| | Number of cases investigated. | | Number of articles examined. | |
|---|---|---|---|---|
| | 1898. | 1897. | 1898. | 1897. |
| *A.—Medico-legal investigations.* | | | | |
| Cases of suspected human poisoning ... ... ... ... | 135 | 118 | 889 | 770 |
| Blood stains, &c. ... ... ... ... ... ... ... | 57 | 50 | 192 | 238 |
| Seminal stains ... ... ... ... ... ... ... | 6 | 11 | 34 | 37 |
| Cases of suspected cattle poisoning .. ... ... ... | 74 | 71 | 281 | 232 |
| Total ... | 272 | 250 | 1,396 | 1,277 |
| *B.—Miscellaneous analyses.* | | | | |
| For Government departments and municipalities ... ... | 881 | 906 | 881 | 906 |
| For private parties and firms ... ... ... ... ... | 49 | 85 | 49 | 85 |
| Total ... | 930 | 991 | 930 | 991 |
| Grand Total ... | 1,202 | 1,241 | 2,326 | 2,268 |

The medico-legal investigations conducted during 1898 showed an increase of 22 over the number for the previous year, while the number of miscellaneous analyses decreased by 61. The total number of articles examined rose from 2,268 in 1897 to 2,326.

Cases of suspected human poisoning.

The following statement compares the number of cases of suspected human poisoning examined, with the figures of the preceding year:—

| Year. | A. Cases in which viscera or evacuations were examined. | | | B. Cases in which only suspected food, &c., was received for examination. | | | Total. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Total number of cases. | Number of cases in which poison was detected. | Percentage of detections. | Total number of cases. | Number of cases in which poison was detected. | Percentage of detections. | Total numbe of cases. | Number of cases in which poison was detected. | Percentage of detections. |
| 1897 ... | 100 | 75 | 75·00 | 18 | 14 | 77·7 | 118 | 89 | 75·42 |
| 1898 ... | 110 | 77 | 70·00 | 25 | 22 | 88·0 | 135 | 99 | 73·33 |

The total number of cases was 135 or 17 more than in 1897, and the percentage of detections was 73·33 against 75·42 in 1897. Inorganic poison was discovered in 59, and organic poison in 40, cases, the corresponding figures in 1897 having been 59 and 30. These cases referred to 316 persons, of whom 78 died, against a total of 261 persons and 64 deaths in 1897.

Other medico-legal investigations.

74 cases of cattle poisoning were investigated against 71 in 1897. Poison was detected in 61 cases, and arsenious oxide was the agent employed in the majority of the cases, other poisons having been discovered only in five instances. The percentage of detections was 82·4 against 90·1 in 1897. The number of cases of suspected blood stains received for investigation was 57, being 7 more than in the previous year. Blood was detected in 29 cases against 35 in 1897. The number of articles examined fell from 238 in 1897 to 192 in the year under report. In 6 cases, as against 11 in the previous year, examination of suspected seminal stains was made, the number of detections being 4 against 2 in 1897.

Miscellaneous analyses.

Analyses were made in 930 miscellaneous cases as compared with 991 in the previous year, the decrease being chiefly in work done for the Board of Revenue.

## EMPLOYMENT OF MUHAMMADANS IN GOVERNMENT SERVICE. (1898-99.)

The subjoined statement compares the number of Muhammadans in superior service on the 1st April 1899 with the figures on the corresponding date in 1898. The appointments include that of one statutory civilian :—

| Salary. Annual. | Total number of appointments. | | Total number of appointments held by Muhammadans. | | Percentage of Muhammadans. | | Increase or decrease per cent. |
|---|---|---|---|---|---|---|---|
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | |
| Rs. 250 and less ... ... | 31,226 | 31,639 | 5,651 | 5,776 | 18·0 | 18·25 | + ·25 |
| „ 250 to 500 ... ... | 4,249 | 4,438 | 246 | 244 | 5·8 | 5·5 | − ·3 |
| „ 500 to 1,000 ... ... | 2,069 | 2,137 | 108 | 106 | 5·2 | 4·96 | − ·24 |
| „ 1,000 to 2,500 ... ... | 1,366 | 1,418 | 65 | 71 | 4·7 | 5·0 | + ·3 |
| „ 2,500 to 5,000 ... ... | 426 | 430 | 9 | 12 | 2·1 | 2·79 | + ·69 |
| „ 5,000 to 10,000 ... ... | 237 | 359 | 3 | 5 | 1·3 | 1·4 | + ·1 |
| Total ... | 39,573 | 40,421 | 6,082 | 6,214 | 15·3 | 15·37 | + ·07 |

While the percentage of Muhammadans to the total population of the Presidency was 6·3, the number employed (6,214) was 15·37 per cent. of the total number of employés. 5,249 held appointments in the Police Department against 5,122 in the previous year, and 50 were entertained in superior service against 36 in 1897-98.

# PART III.—APPENDIX.

## STATISTICAL RETURNS.

# CHAPTER I.—PHYSICAL AND POLITICAL GEOGRAPHY.

# A.—PHYSICAL GEOGRAPHY.

## (1)—*Character of the Surface.*

| Nature of different tracts. | Name, area and physical description of each tract. | Where situated—in British or Native territory. |
|---|---|---|
| | | |

The survey of no district was completed during the year.

# A.—PHYSICAL GEOGRAPHY—*continued.*

## (2)—*Climate for the year* 1898.

| Places at which observations were taken. | Rainfall. | | | | Temperature in the shade. | | | | | | | | | | | | Cloud proportion 1 to 10. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | May. | | | | July. | | | | December. | | | | | | |
| | January to May. | June to September. | October to December. | Total for the year. | Mean maximum. | Mean minimum. | Highest maximum. | Lowest minimum. | Mean maximum. | Mean minimum. | Highest maximum. | Lowest minimum. | Mean maximum. | Mean minimum. | Highest maximum. | Lowest minimum. | January to May. | June to September. | October to December. |
| | INCHES. | INCHES. | INCHES. | INCHES. | DEG. | DEG. | DEG. | DEG. | DEG. | DEG. | DEG. | DEG. | DEG. | DEG. | DEG. | DEG. | TENTHS. | TENTHS. | TENTHS. |
| Amini Divi ... ... ... ... | 6·18 | 27·42 | 14·18 | 47·78 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·6 | 6·7 | 5·4 |
| Bellary ... ... ... ... ... | 3·81 | 8·53 | 5·50 | 17·84 | 102·4 | 77·5 | 105·5 | 71·2 | 90·6 | 75·1 | 97·2 | 72·6 | 87·2 | 63·3 | 90·2 | 59·9 | 3·5 | 8·8 | 6·7 |
| Cochin ... ... ... ... ... | 18·95 | 75·13 | 31·68 | 125·76 | 90·6 | 77·5 | 95·1 | 72·7 | 84·0 | 74·1 | 87·4 | 72·0 | 90·3 | 73·7 | 92·5 | 69·5 | 2·8 | 7·3 | 5·7 |
| Coimbatore ... ... ... ... | 4·29 | 4·15 | 15·88 | 24·32 | 95·8 | 73·3 | 99·9 | 69·3 | 89·2 | 71·7 | 96·4 | 68·8 | 83·9 | 66·2 | 87·9 | 61·8 | 6·9 | 6·8 | 6·4 |
| Cuddapah ... ... ... ... ... | 5·68 | 12·59 | 10·54 | 28·81 | 106·8 | 83·8 | 109·8 | 73·8 | 97·3 | 79·1 | 103·2 | 75·8 | 86·4 | 66·2 | 89·0 | 63·4 | 1·8 | 7·1 | 3·9 |
| Kurnool ... ... ... ... ... | 2·52 | 28·01 | 1·03 | 31·56 | 105·5 | 80·6 | 108·3 | 75·5 | 90·6 | 73·7 | 99·2 | 69·4 | 88·3 | 62·0 | 91·2 | 55·7 | 2·7 | 7·7 | 3·2 |
| Madras ... ... ... ... ... | 1·14 | 20·84 | 46·16 | 68·14 | 100·0 | 81·4 | 109·8 | 72·4 | 97·4 | 78·8 | 104·2 | 72·3 | 84·0 | 70·6 | 85·6 | 67·1 | 2·6 | 6·9 | 5·5 |
| Madura ... ... ... ... ... | 8·17 | 16·50 | 22·51 | 47·18 | 99·9 | 77·9 | 105·5 | 72·5 | 97·9 | 77·6 | 102·0 | 70·5 | 84·7 | 71·1 | 87·4 | 66·6 | 2·4 | 4·6 | 5·5 |
| Mangalore ... ... ... ... ... | 5·78 | 103·53 | 11·91 | 121·22 | 90·4 | 79·0 | 92·8 | 73·9 | 83·0 | 74·0 | 88·8 | 71·4 | 89·2 | 71·0 | 92·8 | 66·0 | 3·0 | 8·9 | 5·8 |
| Masulipatam ... ... ... ... | 2·17 | 29·17 | 16·52 | 47·86 | 102·5 | 83·1 | 115·7 | 78·1 | 91·4 | 77·7 | 99·7 | 73·6 | 83·5 | 68·9 | 86·5 | 65·7 | 3·0 | 7·5 | 3·4 |
| Mercára ... ... ... ... ... | 6·38 | 91·06 | 11·91 | 109·35 | 79·8 | 65·6 | 83·8 | 62·0 | 68·? | 62·9 | 72·3 | 60·6 | 75·3 | 59·1 | 79·4 | 55·7 | 4·1 | 9·3 | 5·7 |
| Negapatam ... ... ... ... | 2·50 | 12·35 | 57·84 | 72·69 | 100·3 | 79·3 | 108·5 | 74·4 | 99·5 | 79·9 | 106·5 | 75·9 | 83·6 | 74·2 | 89·5 | 71·0 | 4·2 | 5·0 | 6·9 |
| Salem ... ... ... ... ... | 9·58 | 19·79 | 17·37 | 46·74 | 99·5 | 76·0 | 104·7 | 69·1 | 96·6 | 74·8 | 101·2 | 72·1 | 85·1 | 66·3 | 88·2 | 61·8 | 3·4 | 7·0 | 6·7 |
| Secunderabad ... ... ... .. | 2·44 | 25·60 | 1·48 | 29·52 | 105·9 | 80·9 | 110·3 | 68·0 | 93·8 | 71·6 | 91·6 | 68·0 | 85·6 | 62·5 | 88·6 | 57·7 | 1·3 | 6·8 | 2·5 |
| Tinnevelly ... ... ... ... | 7·92 | 2·33 | 19·28 | 29·53 | 101·8 | 80·5 | 106·6 | 69·9 | 96·6 | 79·9 | 100·8 | 76·9 | 84·C | 72·8 | 89·2 | 69·9 | 5·0 | 5·0 | 5·9 |
| Trichinopoly ... ... ... ... | 6·74 | 7·74 | 20·23 | 34·71 | 102·9 | 79·3 | 108·0 | 71·9 | 99·3 | 79·3 | 104·7 | 76·2 | 84·6 | 70·5 | 88·0 | 67·2 | 2·6 | 5·6 | 6·5 |
| Wellington .. ... ... .. | 9·33 | 18·76 | 23·55 | 51·64 | 77·5 | 57·4 | 81·7 | 53·5 | 71·2 | 57·6 | 75·0 | 54·1 | 67·3 | 48·2 | 73·2 | 38·6 | 3·5 | 8·9 | 6·8 |

# B.—POLITICAL RELATIONS.

## (3)—*Native States for the year* 1898–99.

| Name of state. | In subsidiary alliance or feudatory. | Tribute in men or money. | Population. | Supposed gross revenue. | Military force. | Transit duties or not. | Principal articles of production, including manufactures and mines. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. Travancore ... .. | In subsidiary alliance. | In money, Rs. 8,10,652 per annum .. | 2,555,074 | Rs. 89,46,388 ... | 1,360 infantry, 61 cavalry and 30 artillery with five guns (drummers, fifers and band not included). | None ... | *Articles of Production.*<br>Pepper, cardamoms, cocoanut, areca-nut, tapioca, coffee, tea, jack, tapioca, yams, rice, horse-gram, dhall, gingelly, green-gram and laurel-nut. Teak and other timber.<br>*Manufactures.*<br>Cocoanut, gingelly, lemon-grass, laurel oils, jaggery and molasses, salt, arrack, cotton cloth, yarn, coir-rope, coir-matting, bricks, tiles and pottery.<br>*Mines.*<br>Plumbago and mica. |
| 2. Cochin ... ... ... | Do. ... | In money, Rs. 2,00,000 ... ... ... | 722,906 | Rs. 20,00,000 .. . | 363 men ... ... | None | Paddy, cocoanut, coffee, pepper, timber, cardamoms, areca-nuts, hides, cocoanut oil, mats, coir, yarn, coir mats and grass mats. |
| 3. Pudukkóttai ... ... | Feudatory ... | None ... ... ... ... ... | 373,696 | Rs. 10,00,000 inclusive of jaghir and other alienated villages, the revenues of which amount to Rs. 3,00,000. | 132 men ... .. ... | None . | Paddy and other grains, such as varagu, &c. Kavi or red ochre, iron and granite. |
| 4. Banganapalle ... ... | Do. ... | None .. ... ... ... ... | 35,506 | Rs. 2,23,000 ... ... | None ... .. . | None | 'Jonna' (Holcus sorgum), 'sajja' (Holcus spicatus), 'korra' (Panicum italicum), 'arika (Paspalum frumentaceum), indigo, chillies, country cloth, lacquered work, mangoes, and a small amount of mine. |
| 5. Sandur ... ... | Do. ... | None ... ... .. ... ... | 11,390 | Rs. 50,511 ... ... | None ... ... ... . | None | Cholum, tobacco, sugar-cane, jaggery and betel leaves. |

# B.—POLITICAL RELATIONS—*continued.*

## (4)—*Native Chiefs and principal male members of their families for the year* 1898–99.

| Name of individual and state and family to which he belongs. | Present position. | Caste or race and religion. | Age. | How educated. | How employed. | Has sanad authorizing adoption or not. | Family follows primogeniture or not. | Has male heirs or not. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| **1. TRAVANCORE STATE.** | | | YRS. | | | | | |
| *Name.*—His Highness Sir Sri Padmanabha Dasa Vanchi Bala Rama Varma, Knight Grand Commander of the Most Exalted Order of the Star of India; Fellow of the Madras University. | The *Maharája* (Regnant) ... ... | *Caste.*—Kshatriya. *Race.*—Race of Seraman Perumál. *Religion.*—Hinduism. | 41 | ... | Rules the country. | Yes; the right of adopting nieces to perpetuate the line. | No. Descent is in the female line. | All those mentioned in column 1 are heirs to the throne. |
| Prince Rama Varma ... | The Elaya Rája (nephew) ... | | 31 | ... | Private life | .. .. | .. | |
| Prince Márthánda Varma (Bachelor of Arts). | The First Prince ( do. ) ... | | 27 | ... | Do. | .. | .. | |
| *Family Name.*—Thripathathu Swarúpam. | | | | | | | | |
| **2. COCHIN STATE.** | | | | | | | | |
| *Name.*—His Highness Rajah Sir Rama Varma, K.C.S.I. | Rája ... ... ... ... ... | *Caste.*—Kshatriya ... *Religion.*—Hinduism. | 47 | Private tuition in English, Malayálam and Sanskrit. | Rules the country. | Has sanad authorizing adoption. | Succession devolves on the eldest male member of the family according to the customary law of Malabar. | Has male heirs. |
| **3. PUDUKKÓTTAI.** | | | | | | | | |
| *Name.*—His Highness Sri Brahadámba Das, Rája Márthánda Bhairava Tondaimán Bahadúr, Tondaimán family. | Rája ... ... ... ... ... | *Caste.*—Kallar ... *Religion.*—Hinduism. | 23 | Was educated by an English tutor (Mr. F. F. Crossley, B.A., Trinity College, Cambridge). | Rules his state . | Do. . | Primogeniture | Not yet married |
| Bálasubramania Raghunátha Tondaiman, cousin of His Highness the Rája. | Has a jaghir which has descended to him from his father, the Rája's late paternal uncle. | Do. ... | 36 | Was educated in the Presidency College, Madras; has matriculated. | Jaghirdar ... | ... .. | ..... | Has two sons. |
| **4. BANGANAPALLE.** | | | | | | | | |
| Saiyid Fath Ali Khán Bahádur, C.S.I., Nawáb of Banganapalle, nephew and son-in-law of the late Nawáb Saiyid Ghulám Ali Khán Bahadúr. | Nawáb of Banganapalle .. | Mussalmán, Shia sect and Saiyid | 51 | By private tutor... | Rules his state. | Has sanad authorizing adoption. | . . . | Yes. |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Saiyid Murtuza Ali Khán, brother of the present Nawáb. | Under the control of the Nawáb... | Do. ... | 46 | Do. ... | In administering his jaghir. | ..... | ..... | . |
| Saiyid Ghulám Ali Khán, first son of the present Nawáb. | Do do. ... | Do. ... | 25 | Now studying under a private tutor. | ..... | ..... | ..... | ... |
| Saiyid Asad Ali Kház, second son of the present Nawáb. | Do. do. ... | Do. ... | 20 | Do. ... | ..... | ..... | .. ... | |
| Saiyid Husain Ali Khán, third son of the present Nawáb. | Do. do. ... | Do. ... | 12 | Do. ... | ..... | ..... | ... .. | .. . |
| 5. SANDURU. | | | | | | | | |
| Venkata Ráo Ráo Sahib Hindu Ráo Ghorpade, Sandur State.* | Minor Rája ... ... ... ... | Márátha ... ... | 7 yrs. & 4 days. | Being educated privately. | ..... | Yes; adoption allowed under Lord Canning's sanad. | Primogeniture ... | No. |
| Maloji Ráo Bala Sahib Ghorpade ... | Paternal uncle to the Mino Rája. | Do. ... ... | 42 | Privately ... | As administrator of the Sanduru State. | ..... | .. ... | No. |

* Born on 10th July 1892.

# (T. 5)—CIVIL DIVISIONS OF BRITISH TERRITORY

| Districts. | — | 2 | Number of sub-divisions. | Area in square miles. | Population. | Chief town with population. | Number of villages. |
|---|---|---|---|---|---|---|---|
| 1 | — | 2 | 3 | 4 | 5 | 6 | 7 |
| Ganjam. | Civil | District Judge | 1 | 8,369 | 1,896,803 | Berhampur ... 25,653 | 6,937 |
| | | District Munsifs | 4 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 5 | | | | |
| | | Sub-Magistrates | 15 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 5 | | | | |
| | | Tahsildars and Deputy Tahsildars in independent charge of Zamindari Divisions | 11 | | | | |
| | Agency | Agency Judge | 1 | | | | |
| | | Assistant Judges | 3 | | | | |
| | | Hill Munsifs | 7 | | | | |
| Vizagapatam. | Civil | District Judge | 1 | 17,242 | 2,802,992 | Vizagapatam ... 34,487 | 12,052 |
| | | District Munsifs | 6 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 5 | | | | |
| | | Sub-Magistrates | 23 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 5 | | | | |
| | | Tahsildars and Deputy Tahsildars in independent charge of Zamindari Divisions | 23 | | | | |
| | Agency | Agency Judge | 1 | | | | |
| | | Assistant Judges | 4 | | | | |
| | | District Munsifs | 11 | | | | |
| Godavari. | Civil | District Judge | 1 | 7,857 | 2,078,782 | Cocanada ... 40,553 | 2,913 |
| | | Sub-Judge | 1 | | | | |
| | | District Munsifs | 7 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 5 | | | | |
| | | Sub-Magistrates | 20 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 5 | | | | |
| | | Tahsildars and Deputy Tahsildars in independent charge of Zamindari Divisions | 12 | | | | |
| | Agency | Agency Judge | 1 | | | | |
| | | Assistant Judge | 1 | | | | |
| | | District Munsifs | 4 | | | | |
| Kistna. | Civil | District Judge | 1 | 8,498 | 1,855,582 | Masulipatam ... 38,809 | 1,019 |
| | | Sub-Judge | 1 | | | | |
| | | District Munsifs | 6 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 4 | | | | |
| | | Sub-Magistrates | 20 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 4 | | | | |
| | | Tahsildars and Deputy Tahsildars in independent charge of Zamindari Divisions | 13 | | | | |
| Nellore. | Civil | District Judge | 1 | 8,765 | 1,463,736 | Nellore ... 29,336 | 1,901 |
| | | District Munsifs | 4 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 4 | | | | |
| | | Sub-Magistrates | 16 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 4 | | | | |
| | | Tahsildars and Deputy Tahsildars in independent charge of Zamindari Divisions | 13 | | | | |
| Cuddapah. | Civil | District Judge | 1 | 8,723 | 1,272,072 | Cuddapah ... 17,379 | 1,354 |
| | | District Munsifs | 4 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 4 | | | | |
| | | Sub-Magistrates | 15 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 4 | | | | |
| | | Tahsildars | 11 | | | | |
| Anantapur. | Civil | District Munsifs | 2 | 5,461 | 727,725 | Anantapur ... 6,994 | 989 |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 3 | | | | |
| | | Sub-Magistrates | 10 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 3 | | | | |
| | | Tahsildars | 8 | | | | |
| Bellary. | Civil | District Judge | 1 | 5,718 | 880,950 | Bellary ... ... 59,467 | 962 |
| | | Sub-Judge | 1 | | | | |
| | | District Munsifs | 2 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 3 | | | | |
| | | Sub-Magistrates | 11 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisiona Officers | 3 | | | | |
| | | Tahsildars | 8 | | | | |
| Kurnool. | Civil | District Judge | 1 | 7,514 | 817,811 | Kurnool ... 24,376 | 757 |
| | | District Munsifs | 3 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 4 | | | | |
| | | Sub-Magistrates | 13 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 4 | | | | |
| | | Tahsildars | 8 | | | | |

The population figures given in this statement for Anantapur, Bellary, North Arcot and Chingleput do not agree-

# IN THE MADRAS PRESIDENCY FOR 1898–99.

| Number of Civil and Revenue Judges of all sorts. | Number of Magistrates of all sorts. | Maximum distance in miles of villages from nearest Court. | Average distance in miles of villages from nearest Court. | Number of Police. | Total cost of administration. | Land Revenue and Rates. |
|---|---|---|---|---|---|---|
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | Rs. | Rs. |
| Civil 16<br>Revenue 6 | District Magistrate 1<br>Divisional Magistrates 5<br>2nd-class Magistrates 15<br>Other Magistrate (2nd class). 1<br>— 22 | Civil 40<br>Criminal—<br>(a) Divisional Magistrates 91<br>(b) Taluk and Sub-Magistrates 66<br>Revenue 50<br>Civil (Agency 66 | 18·5<br>28·3<br>16·3<br>21<br>26·8 | 1,089 | ... | 19,70,098 |
| Civil ... 23<br>Revenue ... 6 | District Magistrate ... 1<br>Divisional Magistrates 5<br>2nd-class Magistrates 26<br>Other Magistrate (3rd class) 1<br>Magisterial Benches ... 4<br>Special Magistrate (1st class). 1<br>Do. (3rd do.). 1<br>— 39 | Civil ... 48<br>Criminal—<br>(a) Divisional Magistrates ... 57<br>(b) Taluk and Sub-Magistrates 33<br>Revenue 57<br>Agency tracts—<br>Civil 116<br>Criminal—<br>(a) Divisional Magistrates ... 150<br>(b) Taluk and Sub-Magistrates ... 116<br>Revenue ... 150 | 18<br>21<br>9<br>21<br>25<br>47<br>22<br>47 | 1,735 | ... | 19,83,897 |
| Civil ... 15<br>Revenue 6 | District Magistrate 1<br>Divisional Magistrates 4<br>Other Magistrate (1st class) 1<br>2nd-class Magistrates 28<br>Agency Magistrate (1st class). 1<br>Agency Magistrates (2nd do.). 5<br>Special Magistrate (1st do.). 1<br>Do. (2nd do.). 1<br>Magisterial Benches ... 3<br>— 45 | Civil ... 60<br>Do. (Agency) ... 80<br>Criminal—<br>(a) Divisional Magistrates ... 60<br>Criminal (Agency) ... 76<br>(b) Taluk and Sub-Magistrates 47<br>Criminal (Agency) ... 80<br>Revenue ... 60<br>Do. (Agency) ... 76 | 14<br>18<br>33<br>26<br>12<br>24<br>23<br>26 | 1,237 | ... | 68,98,320 |
| Civil ... 8<br>Revenue ... 5 | District Magistrate 1<br>Divisional Magistrates 4<br>2nd-class Magistrates ... 30<br>3rd-class Magistrates ... 3<br>Magisterial Benches (3rd class). 3<br>Special Magistrate (3rd do.). 1<br>— 42 | Civil ... 66<br>Criminal—<br>(a) Divisional Magistrates ... 68<br>(b) Taluk and Sub-Magistrates ... 42<br>Revenue ... 68 | 23<br>25<br>13<br>25 | 1,093 | ... | 72,14,365 |
| Civil ... 5<br>Revenue ... 5 | District Magistrate 1<br>Divisional Magistrates 4<br>Other Magistrate (1st class) 1<br>2nd-class Magistrates ... 24<br>3rd-class Magistrates ... 2<br>Magisterial Benches ... 2<br>— 34 | Civil ... 60<br>Criminal—<br>(a) Divisional Magistrates ... 70<br>(b) Taluk and Sub-Magistrates ... 50<br>Revenue ... 70 | 30<br>24<br>10<br>24 | 1,108 | ... | 32,06,091 |
| Civil .. 5<br>Revenue ... 5 | District Magistrate ... 1<br>Divisional Magistrates ... 4<br>Other Magistrate (1st class) ... 1<br>2nd-class Magistrates ... 26<br>Magisterial Bench (3rd class). 1<br>Special Magistrate (3rd do.). 1<br>— 34 | Civil ... 80<br>Criminal—<br>(a) Divisional Magistrates ... 80<br>(b) Taluk and Sub-Magistrates ... 37<br>Revenue ... 80 | 26<br>25<br>10<br>25 | 994 | ... | 23,61,868 |
| Civil ... 2<br>Revenue ... 4 | District Magistrate ... 1<br>Divisional Magistrates ... 3<br>2nd-class Magistrates ... 18<br>Magisterial Bench ... 1<br>— 23 | Civil ... 65<br>Criminal—<br>(a) Divisional Magistrates ... 65<br>(b) Taluk and Sub-Magistrates ... 40<br>Revenue ... 65 | 28<br>27<br>12<br>27 | 601 | ... | 11,68,248 |
| Civil ... 4<br>Revenue ... 6 | District Magistrate ... 1<br>Divisional Magistrates ... 3<br>Other Magistrate (2nd class). 1<br>Do. (3rd do.). 1<br>2nd-class Magistrates ... 16<br>3rd-class Magistrate ... 1<br>Magisterial Benches ... 4<br>— 27 | Civil ... 75<br>Criminal—<br>(a) Divisional Magistrates ... 62<br>(b) Taluk and Sub-Magistrates ... 32<br>Revenue ... 62 | 30<br>25<br>12<br>25 | 712 | ... | 19,96,559 |
| Civil ... 4<br>Revenue ... 5 | District Magistrate ... 1<br>Divisional Magistrates ... 4<br>2nd-class Magistrates ... 19<br>3rd-class Magistrate ... 1<br>Other Magistrate (3rd class). 1<br>Magisterial Bench ... 1<br>— 27 | Civil ... 70<br>Criminal—<br>(a) Divisional Magistrates ... 70<br>(b) Taluk and Sub-Magistrates ... 65<br>Revenue ... 70 | 27<br>27<br>24<br>27 | 942 | ... | 20,62,121 |

with the figures in the census tables for 1891, as certain villages have since been transferred from one district to another.

# C.—(5)—CIVIL DIVISIONS OF BRITISH TERRITORY

| Districts. | | | Number of sub-divisions. | Area in square miles. | Population. | Chief town with population. | | Number of villages. |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | 5 | 6 | | 7 |
| Madras. | Civil | | 1 | 27 | 452,518 | Madras | 452,518 | 12 |
| | Criminal | Presidency Magistrates | 3 | | | | | |
| | Revenue | | 1 | | | | | |
| Chingleput. | Civil | District Judge | 1 | 3,092 | 1,202,928 | Saidapet | 5,702 | 2,279 |
| | | District Munsifs | 4 | | | | | |
| | | Small Cause Judge | 1 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrates | 3 | | | | | |
| | | Cantonment Magistrates | 2 | | | | | |
| | | Sub-Magistrates | 10 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officers | 3 | | | | | |
| | | Tahsildars | 6 | | | | | |
| North Arcot. | Civil | District Judge | 1 | 7,366 | 2,114,487 | Chittoor | 9,965 | 3,994 |
| | | District Munsifs | 5 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrates | 4 | | | | | |
| | | Sub-Magistrates | 19 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officers | 4 | | | | | |
| | | Tahsildars and Deputy Tahsildars in independent charge of Zamindári Divisions | 15 | | | | | |
| South Arcot. | Civil | District Judge | 1 | 5,216 | 2,102,851 | Cuddalore | 47,385 | 2,772 |
| | | District Munsifs | 6 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrates | 4 | | | | | |
| | | Sub-Magistrates | 17 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officers | 4 | | | | | |
| | | Tahsildars | 8 | | | | | |
| Tanjore. | Civil | District Judge | 1 | 3,706[a] | 2,228,114 | Tanjore | 54,390 | 3,847 |
| | | Sub-Judges | 3 | | | | | |
| | | District Munsifs | 11 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrates | 5 | | | | | |
| | | Sub-Magistrates | 19 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officers | 5 | | | | | |
| | | Tahsildars | 9 | | | | | |
| Trichinopoly. | Civil | District Judge | 1 | 3,631 | 1,372 717 | Trichinopoly | 90,609 | 967 |
| | | District Munsifs | 4 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrates | 3 | | | | | |
| | | Sub-Magistrates | 10 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officers | 3 | | | | | |
| | | Tahsildars | 5 | | | | | |
| Madura. | Civil | District Judge | 1 | 8,813 | 2,603,404 | Madura | 87,428 | 5,605 |
| | | Sub-Judges | 2 | | | | | |
| | | District Munsifs | 6 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrates | 4 | | | | | |
| | | Sub-Magistrates | 20 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officers | 4 | | | | | |
| | | Tahsildars and Deputy Tahsildars in independent charge of Zamindári Divisions | 14 | | | | | |
| Tinnevelly. | Civil | District Judge | 1 | 5,389 | 1,916,095 | Tinnevelly | 24,780 | 1,639 |
| | | Sub-Judge | 1 | | | | | |
| | | District Munsifs | 7 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrates | 4 | | | | | |
| | | Sub-Magistrates | 16 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officers | 4 | | | | | |
| | | Tahsildars | 9 | | | | | |
| Coimbatore. | Civil | District Judge | 1 | 7,860 | 2,004,839 | Coimbatore | 46,383 | 1,559 |
| | | District Munsifs | 5 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrates | 4 | | | | | |
| | | Sub-Magistrates | 16 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officers | 4 | | | | | |
| | | Tahsildars | 10 | | | | | |
| The Nilgiris. | Civil | Sub-Judge | 1 | 957 | 99,797 | Ootacamund | 15,053 | 48 |
| | | District Munsif | 1 | | | | | |
| | Criminal | District Magistrate | 1 | | | | | |
| | | Divisional Magistrate | 1 | | | | | |
| | | Sub-Magistrates | 3 | | | | | |
| | Revenue | Collector | 1 | | | | | |
| | | Divisional Officer | 1 | | | | | |
| | | Deputy Tahsildars | 3 | | | | | |

# IN THE MADRAS PRESIDENCY FOR 1898–99—*continued.*

| Number of Civil and Revenue Judges of all sorts. | Number of Magistrates of all sorts. | Maximum distance in miles of villages from nearest Court. | Average distance in miles of villages from nearest Court. | Number of Police. | Total cost of administration. | Land Revenue and Rates. |
|---|---|---|---|---|---|---|
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | Rs. | Rs |
| Civil ... 11<br>Revenue .. 2 | Four ... ... ... ... ... | Civil ... ... ... ... 5<br>Criminal—<br>Presidency Magistrates. 5<br>Revenue ... ... ... 5 | 3<br>2·5<br>3 | 1,152 | ... | 2,32,109 |
| Civil ... 6<br>Revenue ... 4 | District Magistrate .. .. 1<br>Divisional Magistrates ... 3<br>Other Magistrate (2nd class). 1<br>Cantonment Magistrates (1st class) ... ... ... 2<br>2nd-class Magistrates ... ... 16<br>Magisterial Benches ... ... 5<br>28 | Civil ... . . ...<br>Criminal—<br>(*a*) Divisional Magistrates ... ... 50<br>(*b*) Taluk and Sub-Magistrates ... 40<br>Revenue ... ... ... 50 | 6<br>14<br>13<br>14 | 713 | ... | 21,42,823 |
| Civil ... 6<br>Revenue ... 5 | District Magistrate ... ... 1<br>Divisional Magistrates ... 4<br>Other Magistrate (1st class) ... 1<br>Do. (2nd do. ). 1<br>Do. (3rd do. ). 1<br>2nd-class Magistrates ... ... 27<br>3rd-class Magistrate ... ... 1<br>Special Magistrate (3rd class). 1<br>Magisterial Benches ... ... 5<br>42 | Civil ... ... ... 50<br>Criminal—<br>(*a*) Divisional Magistrates ... ... 145<br>(*b*) Taluk and Sub-Magistrates ... 40<br>Revenue ... ... ... 145 | 20<br>36<br>12<br>36 | 1,369 | ... | 29,89,650 |
| Civil ... 7<br>Revenue ... 6 | District Magistrate ... .. 1<br>Divisional Magistrates ... 4<br>Other Magistrates (1st class). 3<br>Other Magistrate (3rd do. ) 1<br>2nd-class Magistrates ... ... 25<br>Magisterial Benches ... ... 2<br>Special Magistrates ... ... 4<br>40 | Civil ... ... ... ... 64<br>Criminal—<br>(*a*) Divisional Magistrates ... ... 64<br>(*b*) Taluk and Sub-Magistrates ... 37<br>Revenue ... ... ... 64 | 28<br>3<br>21<br>38 | 960 | ... | 45,09,235 |
| Civil ... 15<br>Revenue ... 7 | District Magistrate ... ... 1<br>Divisional Magistrates ... 5<br>Other Magistrate (1st class). 1<br>Do. (3rd do. ) ... 1<br>2nd-class Magistrates ... ... 28<br>Special Magistrates ... ... 3<br>Magisterial Benches ... ... 5<br>44 | Civil ... ... ... ... 5<br>Criminal—<br>(*a*) Divisional Magistrates ... ... 80<br>(*b*) Taluk and Sub-Magistrates ... 28<br>Revenue ... ... ... 0 | 11·7<br>22·5<br>9·1<br>22·5 | 1,258 | ... | 66,69,981 |
| Civil ... 5<br>Revenue... 4 | District Magistrate ... ... 1<br>Divisional Magistrates ... 3<br>Other Magistrate (2nd class). 1<br>2nd-class Magistrates ... ... 15<br>Magisterial Benches ... ... 2<br>Special Magistrate ... ... 1<br>23 | Civil ... ... ... 46<br>Criminal—<br>(*a*) Divisional Magistrates ... ... 46<br>(*b*) Taluk and Sub-Magistrates ... 32<br>Revenue ... ... ... 46 | 15<br>15<br>15<br>9·5 | 727 | ... | 23,85,794 |
| Civil ... 9<br>Revenue ... 6 | District Magistrate ... ... 1<br>Divisional Magistrates ... 4<br>Other Magistrate (2nd class). 1<br>Do. (3rd do. ). 1<br>2nd-class Magistrates ... 26<br>Magisterial Benches ... ... 2<br>Special Magistrates (3rd class). 5<br>40 | Civil ... ... ... 76<br>Criminal—<br>(*a*) Divisional Magistrates ... ... 76<br>(*b*) Taluk and Sub-Magistrates ... 40<br>Revenue ... ... ... 76 | 28<br>30<br>12<br>30 | 1,230 | ... | 33,67,625 |
| Civil ... 10<br>Revenue ... 5 | District Magistrate ... ... 1<br>Divisional Magistrates ... 4<br>Other Magistrates (1st class). 2<br>2nd-class Magistrates ... ... 24<br>3rd-class Magistrate ... ... 1<br>Special Magistrate (1st class). 1<br>Special Magistrates (3rd do. ). 3<br>Magisterial Benches ... ... 4<br>40 | Civil ... ... ... 50<br>Criminal—<br>(*a*) Divisional Magistrates ... ... 50<br>(*b*) Taluk and Sub-Magistrates ... 30<br>Revenue ... ... ... 50 | 16<br>19<br>9<br>19 | 1,011 | ... | 34,03,373 |
| Civil ... 6<br>Revenue ... 8 | District Magistrate ... ... 1<br>Divisional Magistrates ... 4<br>Other Magistrates (1st class). 2<br>2nd-class Magistrates ... ... 24<br>Magisterial Benches ... ... 3<br>34 | Civil ... ... . ... 68<br>Criminal—<br>(*a*) Divisiona Magistrates ... ... 98<br>(*b*) Taluk and Sub-Magistrates ... 52<br>Revenue ... ... ... 98 | 22<br>28<br>10<br>28 | 900 | ... | 33,80,795 |
| Civil ... 2<br>Revenue ... 2 | District Magistrate ... ... 1<br>Divisional Magistrate ... ... 1<br>Other Magistrate (1st class). 1<br>2nd-class Magistrates ... 4<br>Special Magistrates (3rd class). 2<br>Magisterial Bench ... ... 1<br>10 | Civil ... ... ... 29<br>Criminal—<br>(*a*) Divisional Magistrates ... ... 29<br>(*b*) Taluk and Sub-Magistrates ... 35<br>Revenue ... ... ... 29 | 14<br>14<br>13<br>14 | 186 | ... | 1,49,285 |

# C.—(5)—CIVIL DIVISIONS OF BRITISH TERRITORY

| Districts. | | | Number of sub-divisions. | Area in square miles. | Population. | Chief town with population. | Number of villages. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| Salem. | Civil | District Judge | 1 | 7,529 | 1,962,591 | Salem ... 67,710 | 4,429 |
| | | District Munsifs | 4 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 4 | | | | |
| | | Sub-Magistrates | 19 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 4 | | | | |
| | | Tahsildars | 9 | | | | |
| South Canara. | Civil | District Judge | 1 | 3,902 | 1,056,081 | Mangalore ... 40,922 | 1,284 |
| | | District Munsifs | 6 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 3 | | | | |
| | | Sub-Magistrates | 11 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 3 | | | | |
| | | Tahsildars | 5 | | | | |
| Malabar. | Civil | District Judges | 2 | 5,593 | 2,652,565 | Calicut ... 66,078 | 438 |
| | | Sub-Judges | 3 | | | | |
| | | District Munsifs | 20 | | | | |
| | Criminal | District Magistrate | 1 | | | | |
| | | Divisional Magistrates | 6 | | | | |
| | | Sub-Magistrates | 23 | | | | |
| | Revenue | Collector | 1 | | | | |
| | | Divisional Officers | 6 | | | | |
| | | Tahsildars | 9 | | | | |
| | Grand Total | | ... | 141,228 | 35,630,440 | ..... | 8,657 |
| | Gross Revenue of the Province | | ... | ... | ... | ..... | ... |

NOTE.—The population has been adopted from the census figures of 1891; the figures relating to Sandur, Banganapalle and

# IN THE MADRAS PRESIDENCY FOR 1898-99—*continued.*

| Number of Civil and Revenue Judges of all sorts. | Number of Magistrates of all sorts. | Maximum distance in miles of villages from nearest Court. | Average distance in miles of villages from nearest Court. | Number of Police. | Total cost of administration. | Land Revenue and Rates. |
|---|---|---|---|---|---|---|
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | Rs. | Rs. |
| Civil ... 5<br>Revenue .. 5 | District Magistrate . 1<br>Divisional Magistrates 4<br>Other Magistrates (1st class). 2<br>2nd-class Magistrates ... .. 27<br>3rd-class Magistrates . . 2<br>Magisterial Benches .. 3<br>Special Magistrates . . 4<br>— 43 | Civil . 85<br>Criminal—<br>(*a*) Divisional Magistrates. 69<br>(*b*) Taluk and Sub-Magistrates 59<br>Revenue .. 69 | 27<br>26<br>12<br>26 | 1,116 | | 26,94,633 |
| Civil ... 8<br>Revenue .. 4 | District Magistrate ... .. 1<br>Divisional Magistrates 3<br>Other Magistrate (1st class). 1<br>2nd-class Magistrates ... .. 15<br>3rd-class Magistrates . ... 3<br>Magisterial Benches ... . 2<br>Special Magistrate (1st class) 1<br>Special Magistrates (3rd do. ) 2<br>— 28 | Civil . . 46<br>Criminal—<br>(*a*) Divisional Magistrates. 67<br>(*b*) Taluk and Sub-Magistrates 46<br>Revenue .. 66 | 14<br>21<br>12<br>21 | 608 | . | 15,27,851 |
| Civil ... 25<br>Revenue... 7 | District Magistrate ... ... 1<br>Divisional Magistrates ... 6<br>Other Magistrates (1st class). 2<br>Other Magistrate ( 3rd do.) 1<br>2nd-class Magistrates ... ... 32<br>Cantonment Magistrates (3rd class) ... ... ... 3<br>Magisterial Benches ... ... 4<br>Special Magistrates ... ... 5<br>— 54 | Civil .. . 40<br>Criminal—<br>(*a*) Divisional Magistrates. 128<br>(*b*) Taluk and Sub-Magistrates ... 34<br>Revenue ... 128 | 18<br>48<br>17<br>48 | 1,488 | ... | 24,60,715 |
| ... 310 | ..... 723 | ..... | ... | 22,229 | 2,83,58,319 | 6,47,75,496<br>* —4,153<br>† 6,47,71,283 |
| ... | ..... | ..... | ... | ... | ... | 9,67,93,033 |

Pudukkóttai have been excluded from those for Bellary, Kurnool and Trichinopoly, respectively.

* This sum is made up of Rs. 681 shown against Public Works Department and Travancore and a minus adjustment of Rs. 4,834 shown against Presidency audit, Maisur and Bank of Madras, for which districtwar particulars are not available.

† Corresponding figures for the official year 1897-98, Rs. 6,35,97,894.

*Note.*—(1) The amount entered in column 13 (Total cost of administration) represents the total cost of the salaries and expenses of all the Civil Departments in Madras which are met from general and local revenues under the following heads :—

| | Rs. | | Rs. |
|---|---|---|---|
| 3. Land Revenue—District Administration ... ... ... ... ... | 72,57,835 | 19-A. Courts of Law ... ... .. ... | 37,90,587 |
| 18. General Administration ... ... | 13,38,940 | 19-B. Jails ... ... ... ... ... | 7,66,935 |
| 6. Stamps ... ... ... ... ... | 8,22,964 | 20. Police ... ... ... ... ... | 40,97,872 |
| 7. Excise ... ... ... ... ... | 9,92,077 | 22. Education ... ... ... .. ... | 24,63,380 |
| 8. Provincial Rates ... ... ... ... | ... | 24. Medical ... ... ... ... ... | 32,21,073 |
| 10. Assessed Taxes ... ... ... ... | 28,938 | 30. Stationery and Printing ... ... | 8,25,431 |
| | | 45. Civil Works ... ... ... ... | 82,52,287 |
| | | Total ... | 2,83,58,319 |

(2) The items of revenue which go to make up the gross revenue entered in column 14 under the total of Land Revenue and Rates are—

| | 1897-98. | 1898-99. | | 1897-98. | 1898-99. |
|---|---|---|---|---|---|
| | Rs. | Rs. | | Rs. | Rs. |
| I. Land Revenue ... | 5,61,28,781 | 5,75,23,952 | XXV. Miscellaneous ... ... | 8,56 072 | 12,77,832 |
| IV. Stamps ... ... | 84,20,258 | 82,66,812 | XXIX. Irrigation—Major Works. | 2,92,414 | 3,43,859 |
| V. Excise (excluding Opium) ... ... | 1,38,47,672 | 1,29,23,205 | XXX. Irrigation — Minor Works and Navigation in charge of Civil officers ... ... ... | 9,134 | 9,341 |
| VI. Provincial Rates ... | 78,98,269 | 77,10,755 | XXX. Irrigation — Minor Works and Navigation in charge of Public Works officers ... ... | 1,73,743 | 1.74.621 |
| VIII. Assessed Taxes ... | 24,73,453 | 25,98,251 | XXXII. Civil Works in charge of Civil officers... ... | 10,19,204 | 10,47,363 |
| X. Registration ... | 15,30,509 | 12,90,870 | XXXII. Civil Works — Provincial in charge of Public Works officers. | 1,88,361 | 1,69,376 |
| XII. Interest ... ... | 5,37,543 | 6,23,864 | XXXII. Civil Works—Incorporated Local in charge of Public Works officers ... ... ... | 6,787 | 6,654 |
| XVI-A. Law and Justice—Courts of Law ... | 8,28,093 | 8,22,704 | Total ... | 9,61,80,763 | 9 67,93,033 |
| XVI-B. Law and Justice—Jails ... ... | 4,49,742 | 4,21,297 | | | |
| XVII. Police ... ... | 4,37,974 | 4,49,850 | | | |
| XIX. Education ... ... | 4,11,692 | 4,16,453 | | | |
| XX. Medical ... ... | 1,80,909 | 1,63,699 | | | |
| XXI. Scientific and other Minor Departments ... ... | 2,28,458 | 2,77,984 | | | |
| XXII. Receipts in aid of Superannuation, Retired and Compassionate allowances ... ... | 1,43,159 | 1,33,033 | | | |
| XXIII. Stationery and Printing (including Imperial) ... | 1,38,541 | 1,41,123 | | | |

# D.—POPULATION.

## (6)—*For the year* 1898-99.

| Districts. | Inhabited houses. | | | Population. | | | | | | | Number of persons per square mile. | Classification of population. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Adults (above fifteen years of age). | | Children (under fifteen years of age). | | Age not stated. | | Total. | | Christians. | | | | Muhammadans. | Buddhists and Jains. |
| | Number of masonry dwellings. | Number of dwellings of all other kinds. | Total. | Men. | Women. | Male. | Female. | Male. | Female. | | | Europeans. | Eurasians. | Natives. | Hindus. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Ganjám ... ... ... ... ... | Particulars not available. | Do. | 314,379 | 427,800 | 491,039 | 336,302 | 333,689 | 318 | 329 | 1,589,477 | 325 | 195 | 198 | 1,899 | 1,534,806 | 5,443 | 9 |
| Vizagapatam ... ... ... ... | | | 413,605 | 559,502 | 601,450 | 400,594 | 380,982 | 318 | 365 | 1,943,211 | 421 | 338 | 679 | 1,997 | 1,919,070 | 21,058 | 11 |
| Gódávari ... ... ... ... ... | | | 368,185 | 552,383 | 599,920 | 409,663 | 389,060 | 315 | 304 | 1,951,645 | 407 | 346 | 555 | 7,721 | 1,903,562 | 39,395 | 41 |
| Kistna ... ... ... ... ... | | | 339,967 | 567,618 | 556,017 | 370,470 | 360,938 | 264 | 275 | 1,855,582 | 221 | 246 | 312 | 67,966 | 1,678,333 | 108,567 | 14 |
| Nellore ... ... ... ... ... | | | 273,815 | 466,843 | 464,018 | 269,383 | 262,754 | 382 | 356 | 1,463,736 | 167 | 135 | 244 | 46,797 | 1,337,979 | 78,185 | 11 |
| Cuddapah ... ... ... ... ... | | | 270,121 | 425,254 | 409,471 | 220,856 | 216,027 | 230 | 234 | 1,272,072 | 146 | 131 | 224 | 9,370 | 1,142,727 | 119,564 | 29 |
| Anantapur ... ... ... ... ... | | | 140,199 | 233,086 | 219,490 | 129,095 | 126,654 | 119 | 105 | 708,549 | 134 | 102 | 303 | 1,378 | 655,105 | 51,333 | 313 |
| Bellary ... ... ... ... ... | | | 170,929 | 286,817 | 273,273 | 172,009 | 167,649 | 176 | 202 | 900,126 | 151 | 1,124 | 712 | 3,447 | 807,597 | 85,770 | 1,463 |
| Kurnool ... ... ... ... ... | | | 172,168 | 267,489 | 261,473 | 146,451 | 141,988 | 196 | 214 | 817,811 | 109 | 69 | 82 | 22,584 | 697,616 | 97,416 | 39 |
| Madras ... ... ... ... .. | | | 60,103 | 149,713 | 151,588 | 76,043 | 75,055 | 61 | 58 | 452,518 | 15,604 | 4,229 | 11,943 | 23,570 | 358,997 | 53,184 | 410 |
| Chingleput ... ... ... ... | | | 177,394 | 343,778 | 335,917 | 228,930 | 228,132 | 68 | 103 | 1,136,928 | 400 | 1,505 | 1,527 | 15,939 | 1,091,376 | 26,236 | 326 |
| North Arcot ... ... ... ... | | | 344,091 | 674,180 | 670,782 | 420,126 | 414,915 | 233 | 251 | 2,180,487 | 286 | 227 | 675 | 14,101 | 2,061,105 | 96,238 | 8,130 |
| South Arcot ... ... ... .. | | | 314,343 | 658,902 | 665,274 | 420,078 | 418,264 | 154 | 179 | 2,162,851 | 415 | 160 | 356 | 54,325 | 2,043,679 | 58,661 | 5,652 |
| Tanjore ... ... ... ... ... | | | 406,329 | 646,937 | 743,771 | 419,034 | 418,213 | 74 | 85 | 2,228,114 | 601 | 303 | 741 | 84,327 | 2,022,300 | 119,864 | 570 |
| Trichinopoly ... ... ... ... | | | 240,816 | 406,214 | 451,358 | 257,236 | 257,639 | 118 | 152 | 1,372,717 | 378 | 265 | 726 | 69,410 | 1,264,037 | 38,271 | 4 |
| Madura ... ... ... ... ... | | | 506,312 | 753,098 | 863,116 | 498,076 | 493,232 | 394 | 488 | 2,608,404 | 296 | 268 | 374 | 99,789 | 2,347,697 | 160,144 | 85 |
| Tinnevelly ... ... ... ... ... | | | 421,828 | 566,282 | 619,379 | 367,006 | 363,032 | 179 | 217 | 1,916,095 | 356 | 227 | 166 | 145,569 | 1,674,150 | 95,951 | 30 |
| Coimbatore ... ... ... ... ... | | | 424,564 | 582,214 | 626,080 | 399,374 | 396,953 | 112 | 106 | 2,004,839 | 255 | 235 | 694 | 14,637 | 1,945,010 | 43,947 | 305 |
| The Nilgiris ... ... ... ... | | | 21,200 | 38,286 | 26,749 | 17,861 | 16,888 | 8 | 5 | 99,797 | 104 | 1,790 | 1,236 | 8,600 | 83,531 | 4,600 | 4 |
| Salem ... ... ... ... ... | | | 401,081 | 577,300 | 616,808 | 384,193 | 384,002 | 128 | 160 | 1,962,591 | 261 | 319 | 488 | 17,661 | 1,882,409 | 61,505 | 208 |
| South Canara ... ... ... ... | | | 189,584 | 298,355 | 334,828 | 212,438 | 210,195 | 144 | 121 | 1,056,081 | 271 | 153 | 204 | 76,902 | 862,573 | 111,983 | 10,202 |
| Malabar ... ... ... ... ... | | | 452,060 | 767,849 | 816,571 | 546,292 | 521,418 | 220 | 215 | 2,652,565 | 475 | 1,064 | 4,193 | 42,374 | 1,834,298 | 769,857 | 605 |
| Total ... | | | 6,423,073 | 10,249,900 | 10,798,372 | 6,701,510 | 6,577,679 | 4,211 | 4,524 | 34,336,196 | 281 | 13,431 | 26,632 | 824,363 | 31,147,237 | 2,247,172 | 28,461 |
| Banganapalle ... ... ... ... | | | 7,420 | 12,363 | 11,959 | 5,660 | 5,506 | 3 | 5 | 35,496 | 139 | ... | ... | 57 | 28,344 | 7,094 | ... |
| Sanduru ... ... ... ... ... | | | 2,418 | 3,649 | 3,664 | 2,070 | 2,005 | ... | ... | 11,388 | 71 | 5 | 12 | 22 | 9,481 | 1,868 | ... |
| Pudukkóttai ... ... ... ... | | | 69,691 | 108,664 | 125,853 | 69,232 | 69,315 | 16 | 16 | 373,096 | 339 | 15 | 16 | 13,782 | 347,978 | 11,304 | ... |
| Total ... | | | 79,529 | 124,676 | 141,476 | 76,962 | 76,826 | 19 | 21 | 419,980 | 277 | 20 | 28 | 13,861 | 385,803 | 20,266 | ... |
| Agency ... Ganjám ... ... | | | 71,492 | 86,979 | 80,455 | 65,955 | 62,399 | 5,902 | 5,636 | 307,326 | 88 | 7 | 1 | 513 | 86,774 | 71 | .. |
| Agency ... Vizagapatam ... ... | | | 189,085 | 198,416 | 190,839 | 126,591 | 120,066 | 115,155 | 108,714 | 859,781 | 68 | 9 | 1 | 129 | 639,191 | 1,496 | ... |
| Agency ... Gódávari ... ... | | | 26,340 | 37,615 | 36,219 | 27,152 | 26,136 | 9 | 6 | 127,137 | 42 | 15 | 8 | 419 | 125,043 | 1,647 | ... |
| Total ... | | | 286,917 | 323,010 | 307,513 | 219,698 | 208,601 | 121,066 | 114,356 | 1,294,244 | 68 | 31 | 10 | 1,061 | 851,008 | 3,214 | ... |
| Grand Total ... | | | 6,789,519 | 10,697,586 | 11,247,361 | 6,998,170 | 6,863,106 | 125,296 | 118,901 | 36,050,420 | 253 | 13,482 | 26,670 | 839,225 | 32,384,048 | 2,270,652 | 28,461 |

NOTE.—Since the last census the limits of Anantapur, Bellary, North Arcot and Chingleput districts have been slightly altered; but, as particulars for the villages transferred are not available, the census figures have been adopted.

# D.—POPULATION—*continued.*

## (6)—*For the year* 1898-99—continued.

| Districts. | Classification of population—*cont.* | Occupation. | | Prevailing languages. | Number of emigrants by sea during the year. | Number of immigrants by sea during the year. |
|---|---|---|---|---|---|---|
| | Others (including not stated). | Male agriculturists (adults). | Male non-agriculturists (adults). | | | |
| | 19 | 20 | 21 | 22 | 23 | 24 |
| Ganjám ... ... ... ... ... ... ... ... | 57,647 | 226,855 | 200,945 | 1, Uriya (797,132) ; 2, Telugu (722,287) ; 3, Savara (40,192) ; 4, Khond (17,490) ; 5, Hindustani (8,373) ... | | |
| Vizagapatam ... ... ... ... ... ... ... ... | 58 | 321,327 | 238,175 | 1, Telugu (1,881,678) ; 2, Uriya (27,916) ; 3, Gadaba (15,602) ; 4, Hindustáni (11,071) ... ... ... | | |
| Gódávari ... ... ... ... ... ... ... ... | 25 | 317,370 | 234,513 | 1, Telugu (1,914,769) ; 2, Hindustáni (27,913) ... ... ... ... ... ... ... ... | | |
| Kistna ... ... ... ... ... ... ... ... ... | 144 | 326,152 | 241,466 | 1, Telugu (1,739,326) ; 2, Hindustáni (95,663) ; 3, Yerukala (9,900) ... ... ... ... ... | .. | |
| Nellore ... ... ... ... ... ... ... .. ... | 385 | 235,669 | 231,174 | 1, Telugu (1,364,445) ; 2, Hindustáni (64,692) ; 3, Tamil (26,984) ... ... ... ... ... ... | . | |
| Cuddapah ... ... ... ... ... ... ... ... | 27 | 257,021 | 168,233 | 1, Telugu (1,139,891) ; 2, Hindustáni (96,723) ; 3, Canarese (10,617) ; 4, Tamil (6,262) ; 5, Yerukala (5,989) ; 6, Máráthi (5,747). | | |
| Anantapur ... ... ... ... ... ... ... ... | 15 | 135,039 | 98,047 | 1, Telugu (570,921) ; 2, Canarese (79,486) ; 3, Hindustáni (41,304) ; 4, Máráthi (5,840) ... ... | | |
| Bellary ... ... ... ... ... ... ... ... | 13 | 184,208 | 102,609 | 1, Canarese (518,585) ; 2, Telugu (267,327) ; 3, Hindustáni (74,520) ; 4, Tamil (11,792) ; 5, Marathi (10,679) ; 6, Lambadi (7,099). | | |
| Kurnool ... ... ... ... ... ... ... ... | 5 | 151,255 | 116,234 | 1, Telugu (717,140) ; 2, Hindustáni (78,183) ; 3, Canarese (8,532) ... ... ... ... ... ... | | |
| Madras ... ... ... ... ... ... ... ... | 185 | 6,650 | 143,063 | 1, Tamil (270,970) ; 2, Telugu (103,423) ; 3, Hindustáni (50,057) ; 4, English (16,071) ; 5, Marathi (5,392) | . | |
| Chingleput ... ... ... ... ... ... ... ... | 19 | 203,959 | 139,819 | 1, Tamil (863,094) ; 2, Telugu (242,737) ; 3, Hindustáni (19,266) ; 4, Canarese (5,070 ... ... ... ... | ... | |
| North Arcot ... ... ... ... ... ... ... ... | 11 | 455,984 | 218,196 | 1, Tamil (1,214,930) ; 2, Telugu (852,880) ; 3, Hindustáni (65,410) ; 4, Canarese (31,483) ; 5, Marathi (8,794) ... | ... | |
| South Arcot ... ... ... ... ... ... ... ... | 18 | 459,901 | 199,001 | 1, Tamil (1,882,159) ; 2, Telugu (227,056) ; 3, Hindustáni (34,684) ; 4, Canarese (13,089) | | |
| Tanjore ... ... ... ... ... ... ... ... | 9 | 389,249 | 257,688 | 1, Tamil (2,095,135) ; 2, Telugu (80,630) ; 3, Patnul (18,069) ; 4, Máráthi (13,634 ; 5, Hindustáni (11,846) 6, Canarese (6,539). | | |
| Trichinopoly ... ... ... ... ... ... ... | 4 | 274,693 | 131,521 | 1, Tamil (1,157,689) ; 2, Telugu (161,342) ; 3, Canarese (29,162) ; 4, Hindustani (15,947) | . | |
| Madura ... ... ... ... ... ... ... ... | 47 | 481,982 | 271,116 | 1, Tamil (2,081,102) ; 2, Telugu (367,613) ; 3, Canarese (104,641) ; 4, Patnul (35,197) ; 5, Hindustani (14,424). | .. | |
| Tinnevelly ... ... ... ... ... ... ... ... | 2 | 327,853 | 238,429 | 1, Tamil (1,627,915) ; 2, Telugu (259,048) ; 3, Canarese (14,776) ; 4, Hindustáni (7,508) | . | . |
| Coimbatore ... ... ... ... .. ... ... | 11 | 337,534 | 244,680 | 1, Tamil (1,297,174) ; 2, Telugu (440,307) ; 3, Canarese (238,114) ; 4, Hindustani (21,693) | .. | .. |
| The Nilgiris ... ... ... ... ... ... ... | 36 | 22,063 | 16,223 | 1, Badaga (30,633) ; 2, Tamil (28,038) ; 3, Canarese (14,125) ; 4, Malayálam (8,775) | . | |
| Salem ... ... ... ... ... ... ... ... | 1 | 380,711 | 196,589 | 1, Tamil (1,395,130) ; 2, Telugu (360,915) ; 3, Canarese (139,414) ; 4, Hindustani (47,240) ; 5, Marathi (8,631) ; 6, Patnul (7,548). | | |
| South Canara ... ... ... ... ... ... ... | 64 | 179,417 | 118,938 | 1, Tulu (460,209) ; 2, Canarese (213,551) ; 3, Malayálam (191,696) ; 4, Konkani (130,191) ; 5, Máráthi (34 935 ; 6, Hindustáni (16,602). | | |
| Malabar ... ... ... ... ... ... ... ... | 174 | 421,075 | 346,774 | 1, Malayálam (2,484,974) ; 2, Tamil (106,399) ; 3, Telugu (20,309) ; 4, Canarese (14,958) ; 5, Hindustani (7,424) | . | |
| Total ... | 48,900 | 6,096,467 | 4,153,433 | ... ... ... ... ... | 2,05,048 | 1,54,638 |
| Banganapalle ... ... ... ... ... ... ... ... | 1 | 5,666 | 6,697 | 1, Telugu (28,021) ; 2, Hindustáni (6,482) .. .. .. .. | | |
| Sanduru ... ... ... ... ... ... ... ... | ... | 2,137 | 1,512 | 1, Canarese (7,232) ... ... ... ... ... ... ... ... | | |
| Pudukkóttai ... ... ... ... ... ... ... ... | 1 | 76,868 | 31,796 | 1, Tamil (353,770) ; 2, Telugu (10,797) ... .. .. .. ... | | |
| Total ... | 2 | 84,671 | 40,005 | ..... ..... .... | | |
| Agency ... Ganjám ... ... ... ... ... | 219,960 | 67,561 | 19,418 | 1, Khond (148,891) ; 2, Uriya (80,994) ; 3, Savara (61,056) ... .. ... ... ... ... ... | | |
| Agency ... Vizagapatam ... ... ... ... | 218,955 | 120,294 | 78,122 | 1, Uriya (382,685) ; 2, Telugu (113,052) ; 3, Khond (24,509) ; 4, Poroja (15,037) ; 5, Gadaba (13,251) ; 6, Koya (7,762) ; 7, Gond (5,689). | . | |
| Agency ... Gódávari ... ... ... ... ... | 5 | 27,837 | 9,778 | 1, Telugu (96,784) ; 2, Koya (27,942) ... ... ... ... .. ... ... ... ... .. .. | ... | . |
| Total ... | 438,920 | 215,692 | 107,318 | ..... | 2,05,048 | 1,54,638 |
| Grand Total ... | 487,822 | 6,396,830 | 4,300,756 | ..... | ... | .. |

# CHAPTER II.—ADMINISTRATION OF THE LAND.

# FISCAL.

## (7)—*Particulars of Survey for the year* 1898-99.

| Districts. | Area previously surveyed in square miles up to 31st March 1898. | | | Cost and rate per square mile up to 31st March 1898. | | | | Surveyed during 1898-99. | | | Cost of survey during 1898-99. | | Total surveyed up to 31st March 1899. | | | Cost and rate per square mile up to 31st March 1899. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Topographical. | Revenue. | | Topographical. | | Revenue. | | Topographical. | Revenue. | | Topographical. | Revenue. | Topographical. | Revenue. | | Topographical. | | Revenue. | |
| | | By villages. | By fields. | Cost. | Cost per square mile. | Cost. | Cost per square mile. | | By villages. | By fields. | Cost. | Cost. | | By villages. | By fields. | Cost. | Cost per square mile. | Cost. | Cost per square mile. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | SQ. M. | SQ. M. | SQ. M. | RS. | RS. | RS. | RS. | SQ. M. | SQ. M. | SQ. M. | RS. | RS. | SQ. M. | SQ. M. | SQ. M | RS. | RS. | RS. | RS |
| Ganjám ... ... ... ... ... | 3,451 | 1,662 | 1,364 | 88,880 | 26 | 4,43,429 | 267 | .. | .. | .. | .. | .. | 3,451 | 1,662 | 1,364 | 88,880 | 26 | 4,43,429 | 267 |
| Vizagapatam ... ... ... ... ... | 10,768 | 526 | 401 | 3,76,748 | 35 | 1,38,680 | 264 | ... | ... | ... | ... | ... | 10,768 | 526 | 401 | 3,76,748 | 35 | 1,38,680 | 264 |
| Gódávari ... ... ... ... ... | 4,465 | 2,913 | 2,147 | 2,29,945 | 51 | 3,14,038 | 108 | ... | .. | ... | .. | ... | 4,465 | 2,913 | 2,147 | 2,29,945 | 51 | 3,14,038 | 108 |
| Do. Non-Govt. villages ... ... | ... | 599 | 599 | .. | ... | 41,621 | 69 | ... | ... | ... | .. | . | .. | 599 | 599 | .. | .. | 41,621 | 69 |
| Do. Re-survey .. ... ... ... | ... | 2,517 | 2,517 | ... | . | 1,39,904 | 56 | ... | 2 | 2 | . | 57 | ... | 2,519 | 2,519 | | . | 1,39,961 | 56 |
| Do. Hill villages ... ... ... | ... | 80 | 80 | . | ... | 12,147 | 152 | .. | .. | .. | ... | .. | ... | 80 | 80 | | . | 12,147 | 152 |
| Do. Agency villages ... ... ... | ... | 38 | 38 | .. | ... | 3,993 | 105 | . | . | ... | .. | 413 | . | 38 | 38 | | | 4,406 | 116 |
| Do. Islands in the rivers ... ... | ... | 38 | 38 | ... | ... | 3,304 | 87 | . | . | . | ... | . | . | 38 | 38 | | | 3,304 | 87 |
| Kistna ... ... ... ... ... | 3,091 | 6,475 | 5,358 | 88,680 | 29 | 6,68,860 | 103 | . | . | ... | .. | ... | 3,091 | 6,475 | 5,358 | 88,680 | 29 | 6,68,860 | 103 |
| Do. Re-survey ... ... ... ... | ... | 3,235 | 3,235 | ... | ... | 1,71,490 | 53 | .. | 246 | 246 | ... | 11,901 | .. | 3,481 | 3,481 | | | 1,85,391 | 53 |
| Kurnool ... ... ... ... ... | 2,957 | 4,839 | 3,659 | 45,673 | 15 | 8,23,843 | 170 | .. | ... | ... | ... | ... | 2,957 | 4,839 | 3,659 | 45,673 | 15 | 8,23,843 | 170 |
| Do. Re-survey ... ... ... ... | ... | 459 | 459 | ... | ... | 16,327 | 36 | .. | 156 | 156 | .. | 11,005 | . | 615 | 615 | | | 27,332 | 44 |
| Bellary ... ... ... ... ... | 791 | 5,364 | 4,985 | 26,741 | 34 | 7,21,253 | 134 | ... | ... | ... | . | ... | 791 | 5,364 | 4,985 | 26,741 | 34 | 7,21,253 | 134 |
| Anantapur ... .. ... ... ... | 890 | 4,531 | 4,132 | 48,189 | 54 | 5,59,287 | 123 | .. | . | | ... | . | 890 | 4,531 | 4,132 | 48,169 | 54 | 5,59,287 | 123 |
| Cuddapah ... .. .. ... ... | 3,309 | 5,432 | 4,208 | 67,394 | 20 | 12,24,021 | 225 | ... | .. | .. | ... | ... | 3,309 | 5,432 | 4,208 | 67,324 | 20 | 12,24,021 | 225 |
| Nellore ... ... ... ... ... | 4,507 | 4,241 | 2,652 | 55,951 | 12 | 4,50,449 | 106 | .. | .. | ... | ... | ... | 4,507 | 4,241 | 2,652 | 55,951 | 12 | 4,50,449 | 106 |
| North Arcot ... ... ... ... ... | 4,652 | 2,854 | 2,151 | 1,38,241 | 30 | 4,69,091 | 164 | ... | ... | . | . | ... | 4,652 | 2,854 | 2,151 | 1,38,241 | 30 | 4,69,091 | 164 |
| Do. Lands within municipal limits ... | ... | 8 | 8 | ... | .. | 11,143 | 1,393 | | 2 | 2 | .. | 5,081 | . | 10 | 10 | | | 16,224 | 1,622 |
| Madras ... ... ... ... ... .. | ... | 27 | 27 | ... | ... | 57,208 | 2,119 | ... | . | . | .. | ... | ... | 27 | 27 | | | 57,208 | 2,119 |
| Do. Lands within municipal limits.. | ... | 27 | 27 | ... | ... | 80,420 | 2,979 | ... | ... | ... | .. | 2,334 | .. | 27 | 27 | | | 82,754 | 3,065 |
| Chingleput ... ... ... ... ... | 746 | 2,110 | 1,281 | 26,151 | 35 | 3,72,458 | 176 | . | ... | ... | ... | ... | 746 | 2,110 | 1,281 | 26,151 | 35 | 3,72,458 | 176 |
| Do. Lands within municipal limits. | ... | 4 | 4 | ... | . | 14,580 | 3,645 | ... | . | ... | ... | 1,143 | ... | 4 | 4 | | | 15,723 | 3,931 |
| South Arcot ... ... .. ... ... | 475 | 4,657 | 3,456 | 11,693 | 25 | 5,75,659 | 123 | . | ... | | ... | .. | 475 | 4,657 | 3,456 | 11,693 | 25 | 5,75,659 | 123 |
| Salem ... ... ... ... ... | 4,128 | 3,667 | 3,136 | 2,09,238 | 51 | 5,07,533 | 138 | | | | .. | .. | 4,128 | 3,667 | 3,136 | 2,09,238 | 51 | 5,07,533 | 138 |
| Do. Re-survey ... ... ... ... | ... | 2,325 | 2,325 | ... | ... | 61,474 | 26 | ... | . | ... | .. | ... | | 2,325 | 2,325 | | | 61,474 | 26 |
| Do. Hill villages ... ... ... | ... | 364 | 364 | .. | . | 17,948 | 49 | | 70 | 70 | . | 11,104 | .. | 434 | 434 | | | 29,052 | 67 |
| Do. Resumed villages ... ... ... | ... | 19 | 19 | ... | .. | 545 | 29 | .. | .. | .. | .. | ... | . | 19 | 19 | | | 545 | 29 |
| Do. Lands within municipal limits ... | ... | 5 | 5 | ... | .. | 15,284 | 3,057 | .. | ... | . | .. | 2,249 | ... | 5 | 5 | | . | 17,533 | 3,507 |
| Tanjore ... ... ... ... ... | 1,129 | 2,578 | 2,249 | 93,306 | 83 | 7,05,339 | 274 | .. | ... | ... | ... | ... | 1,129 | 2,578 | 2,249 | 93,306 | 83 | 7,05,339 | 274 |
| Do. Inam villages ... ... ... | ... | 536 | 536 | .. | ... | 12,161 | 23 | | . | ... | .. | 198 | ... | 536 | 536 | . | ... | 12,359 | 23 |
| Do. Lands within municipal limits... | ... | 2 | 2 | ... | ... | 6,498 | 3,249 | ... | 11 | 11 | | 15,129 | . | 13 | 13 | ... | . | 21,627 | 1,664 |
| Madura ... ... ... ... ... | 5,420 | 3,153 | 2,634 | 1,86,336 | 34 | 6,84,296 | 218 | .. | ... | .. | ... | ... | 5,420 | 3,153 | 2,634 | 1,86,336 | 34 | 6,84,296 | 218 |
| Do. Periyar wet lands ... ... ... | ... | 88 | 88 | ... | . | 10,036 | 114 | . | ... | .. | ... | 1,111 | . | 88 | 88 | | ... | 11,147 | 127 |
| Do. Lands within municipal limits... | ... | 12 | 12 | ... | ... | 29,858 | 2,488 | . | . | ... | | 3,969 | .. | 12 | 12 | | | 33,827 | 2,819 |
| Tinnevelly ... ... ... ... ... | 1,719 | 3,087 | 2,731 | 86,258 | 50 | 6,94,137 | 225 | ... | .. | . | .. | ... | 1,719 | 3,087 | 2,731 | 86,258 | 50 | 6,94,137 | 225 |
| Coimbatore ... ... ... .. .. | 2,680 | 5,180 | 4,592 | 1,22,527 | 46 | 9,46,197 | 183 | .. | .. | .. | ... | ... | 2,680 | 5,180 | 4,592 | 1,22,527 | 46 | 9,46,197 | 183 |
| Do. Hill villages ... .. ... | ... | 235 | 235 | ... | ... | 17,285 | 74 | . | 71 | 71 | ... | 6,475 | . | 306 | 306 | | | 23,760 | 78 |
| Do. Inam villages ... .. .. | ... | 7 | 7 | ... | ... | 3,422 | 60 | ... | | | ... | ... | . | 7 | 7 | ... | .. | 422 | 60 |
| Trichinopoly ... ... ... ... ... | 945 | 2,721 | 2,145 | 9,795 | 10 | 2,24,555 | 83 | .. | .. | .. | .. | .. | 945 | 2,721 | 2,145 | 9,795 | 10 | 2,24,555 | 83 |
| Do. Re-survey ... ... ... ... | ... | 2,733 | 2,733 | ... | ... | 1,01,546 | 37 | ... | .. | .. | ... | ... | .. | 2,733 | 2,733 | | | 1,01,546 | 37 |
| Do. Lands within municipal limits. | ... | 15 | 15 | ... | ... | 30,466 | 2,031 | .. | .. | ... | ... | 2,819 | . | 15 | 15 | | . | 33,085 | 2,206 |
| The Nilgiris ... ... ... ... ... | 513 | 609 | 609 | 53,311 | 104 | 6,41,720 | 1,054 | | . | .. | ... | ... | 513 | 609 | 609 | 53,311 | 104 | 6,41,720 | 1,054 |
| Do. Lands within municipal limits. | ... | 18 | 18 | ... | ... | 42,587 | 2,366 | ... | . | ... | ... | 5,430 | . | 18 | 18 | .. | . | 48,017 | 2,668 |
| Malabar ... ... ... ... ... | 1,142 | 4,856 | 4,804 | 1,44,778 | 127 | 11,91,474 | 245 | .. | | . | ... | 2,010 | 1,142 | 4,856 | 4,804 | 1,44,778 | 127 | 11,95,484 | 246 |
| South Canara ... ... ... ... ... | 302 | 3,948 | 3,948 | 23,277 | 77 | 4,29,983 | 109 | ... | | . | ... | 808 | 302 | 3,948 | 3,948 | 23,277 | 77 | 4,30,791 | 109 |
| Do. Lands within municipal limits. | ... | 4 | 4 | .. | ... | 9,648 | 2,412 | | .. | ... | . | 768 | .. | 4 | 4 | | | 10,416 | 2,604 |
| Total ... | 58,080 | 88,778 | 76,037 | 21,33,022 | 37 | 1,36,92,197 | 154 | .. | * 558 | * 558 | ... | 83,804 | 58,080 | 89,336 | 76,595 | 21,33,022 | 37 | 1,37,76,001 | 154 |

NOTE.—As in previous years, this statement does not include the cost of demarcation, the expenditure of the Central Office, and the cost of maintenance of survey records and boundary marks.

* Excludes 284 square miles, area surveyed in the Serugada Estate, Ganjam District; Teleprole Estate, Kistna District; Chunampet Zemindari, Pakkam Shrotriem and Soranjeri Mitta, Chingleput District; Timmaji Annal' Estate, North Arcot District; Kakangarai Estate, Salem District; Sivasamudram Jaghir, Coimbatore District; Tanjore Chattram Villages, Tanjore District; Tevaram Zemindari, Mambarai Zemindari, Vellyakundam Zemindari and Melur and Nattam Unions, Madura District; Ettiyapuram Zemindari and Sivagiri Estate, Tinnevelly District.

## FISCAL—*continued.*

### (8)—*Settlement table for the year* 1898-99.

| Nature of settlement. | Area in square miles dealt with by the settlement Department. | Annual revenue assessment as determined at settlement. | Date of expiry of settlement. | Districts |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| | | | | |
| *Original Settlement (completed).* | | | | |
| | | Rs. | | |
| Settlement for thirty years | 2,107 | 11,12,978 | * | Trichinopoly |
| | 1,969 | 15,28,373 | 1891-1896 | Gódávari. |
| | 4,548 | 27,75,033 | 1895-1903 | Kistna. |
| | † 2,962 | 17,22,031 | 1899-1903 | Salem. |
| | 4,895 | 19,03,896 | 1902-1904 | Nellore. |
| | 2,929 | 25,59,044 | 1902-1907 | Tinnevelly. |
| | 2,908 | 16,63,384 | 1904-1907 | Chingleput. |
| | 3,367 | 14,17,057 | 1894-1908 | Kurnool. |
| | 4,655 | 28,88,096 | 1907-1911 | Coimbatore. |
| | 7,476 | 19,49,874 | 1908-1912 | Cuddapah. |
| | 923 | 7,91,816 | 1907-1913 | Ganjám. |
| | 1,963 | 17,81,257 | 1910-1915 | North Arcot. |
| | 2,510 | 16,13,313 | 1914-1922 | Madura. |
| | 821 | 1,80,607 | 1917-1918 | Malabar-Wynaad. |
| | 411 | 1,99,972 | 1910-1919 | The Nilgiris. |
| | 362 | 4,25,571 | 1919 | Vizagapatam. |
| | 4,908 | 35,58,877 | 1917-1924 | South Arcot. |
| | 5,740 | 13,56,345 | 1920-1924 | Bellary. |
| | 2,531 | 53,16,144 | 1923-1924 | Tanjore. |
| | 5,163 | 9,09,339 | 1921-1927 | Anantapur. |
| Total ... | 62,243 | 3,56,55,307 | ... | |
| In progress ... | ‡ 3,620 | ... | ... | Malabar. |
| | 4,029 | ... | ... | South Canara. |
| *Re-settlement (completed).* | | | | |
| Settlement for thirty years | 2,695 | 17,83,009 | 1924-1925 | Trichinopoly. |
| In progress ... | ‡ 2,582 | ... | ... | Gódávari. |
| | ‡ 1,447 | ... | ... | Kistna. |

* Original settlement expired already and re-settlement introduced.

† Includes the area settled in fasli 1308 (1898-99).

‡ Revised figure.

# FISCAL—*continued.*

(9)—*Statement showing the incidence of the land revenue on area and population in each district in the Madras Presidency in the agricultural year ending June* 1898.

| District. | Nature of tenure. | Total area by Survey, less feudatories [Table A 1 (1) minus Table A 1 2 (*a*)]. | Deduct. Area not fully assessed. | Deduct. Area for which returns, so far as required for this table, are not available. | Balance, *i.e.*, fully assessed area for which returns are available. Total. | Balance, *i.e.*, fully assessed area for which returns are available. Cultivated. | Total land revenue (excluding cesses) of district (column 2). | Population of district (column 2). | Land revenue per head of population (columns 5 and 6). | Land revenue assessed on fully assessed area (column 4 (*a*)). | Incidence per acre of land revenue (column 8) on fully assessed area (col. 4). For total area. | Incidence per acre of land revenue (column 8) on fully assessed area (col. 4). For cultivated area. | Population of fully assessed area. | Land revenue assessment per head of population of fully assessed area (columns 8 and 11,). | Towns over 10,000 inhabitants. Number of towns. | Towns over 10,000 inhabitants. Aggregate population. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3(*a*) | 3(*b*) | 4(*a*) | 4(*b*) | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | ACS. | ACS. | ACS. | ACS. | ACS. | RS. | NO. | RS. A. P. | RS. | RS. A. P. | RS. A. P. | NO. | RS. A. P. | NO. | NO. |
| Ganjám | Ryotwári | 2,905,084 | 799,580 | 1,717,661 | 387,843 | 359,556 | 9,09,781 | 758,629 | 1 3 0 | 8,28,980 | 2 2 2 | 2 4 11 | 613,296 | 1 5 8 | 3 | 60 284 |
| | Zamíndári | 2,245,047 | 429,353 | ... | 1,815,694 | ... | 4,47,288 | 1,016,457 | 0 7 0 | 4,18,188 | 0 3 8 | . | 1,016,457 | 0 6 7 | | |
| | Whole inám villages | 206,029 | 206,029 | ... | ... | ... | 30,944 | 121,717 | 0 4 1 | ... | ... | .. | ... | . | | |
| Vizagapatam | Ryotwári | 932,818 | 416,514 | 346,460 | 169,844 | 135,236 | 5,51,020 | 276,581 | 1 15 11 | 4,58,013 | 2 11 2 | 3 6 2 | 245,162 | 1 13 11 | 7 | 130,183 |
| | Zamíndári | 9,886,048 | 282,022 | ... | 9,654,026 | .. | 9,93,956 | 2,120,611 | 0 7 6 | 9,62,396 | 0 1 7 | . | 2,120,611 | 0 7 3 | | |
| | Whole inám villages | 216,315 | 216,315 | ... | ... | ... | 58,124 | 405,800 | 0 2 4 | ... | ... | . | . | . | | |
| Gódávari | Ryotwári | 2,841,317 | 1,904,288 | — 56,311 | 993,340 | 663,998 | 46,50,821 | 1,253,423 | 3 11 4 | 36,83,772 | 3 11 4 | 5 8 9 | 1,253,423 | 2 15 0 | 7 | 149,622 |
| | Zamíndári | 1,930,334 | 674,743 | .. | 1,255,591 | ... | 12,23,939 | 724,836 | 1 11 0 | 10,37,362 | 0 13 3 | . | 724,836 | 1 6 11 | | |
| | Whole inám villages | 256,829 | 256,829 | ... | ... | ... | 1,44,464 | 100,523 | 1 7 0 | | | . | . | . | | |
| Kistna | Ryotwári | 4,048,009 | 1,943,803 | 67,134 | 2,037,072 | 1,642,423 | 50,10,468 | 1,396,989 | 3 9 5 | 45,79,068 | 2 4 6 | 2 12 7 | 1,396,989 | 3 4 5 | 4 | 13,490 |
| | Zamíndári | 1,186,826 | 200,007 | ... | 986,819 | ... | 7,54,250 | 378,532 | 1 15 11 | 6,65,169 | 0 10 9 | . | 378,532 | 1 12 1 | | |
| | Whole inám villages | 203,885 | 203,885 | ... | ... | ... | 1,21,522 | 80,061 | 1 8 3 | ... | ... | . | ... | . | | |
| Nellore | Ryotwári | 2,900,416 | 1,764,167 | 8,127 | 1,128,122 | 810,085 | 21,68,158 | 853,046 | 2 8 8 | 20,03,961 | 1 12 5 | 2 7 7 | 853,046 | 2 5 7 | 2 | 40,196 |
| | Zamíndári | 2,375,040 | 645,760 | ... | 1,729,280 | ... | 4,68,623 | 514,809 | 0 14 7 | 4,62,717 | 0 4 3 | . | 514,809 | 0 14 5 | | |
| | Whole inám villages | 334,144 | 334,144 | ... | ... | ... | 92,667 | 95,881 | 0 15 6 | .. | .. | . | .. | . | | |
| Kurnool | Ryotwári | 4,678,400 | 3,756,238 | — 384,074 | 1,306,236 | 1,199,497 | 16,51,388 | 796,714 | 2 1 2 | 13,24,018 | 1 0 3 | 1 1 8 | 796,714 | 1 10 7 | 2 | 55 113 |
| | Zamíndári | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | . | | |
| | Whole inám villages | 130,560 | 130,560 | ... | ... | ... | 10,692 | 21,097 | 0 8 1 | ... | .. | . | . | . | | |
| Bellary | Ryotwári | 3,526,577 | 1,814,232 | — 10,656 | 1,723,001 | 1,595,754 | 17,11,684 | 856,034 | 2 0 0 | 14,82,441 | 0 13 9 | 0 14 10 | 856,034 | 1 11 8 | 5 | 119 499 |
| | Zamíndári | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | | | | |
| | Whole inám villages | 133,164 | 133,164 | ... | ... | ... | 15,334 | 24,916 | 0 9 10 | ... | ... | ... | . | | | |
| Anantapur | Ryotwári | 3,343,731 | 2,062,944 | — 75,281 | 1,356,068 | 1,088,958 | 11,92,594 | 701,697 | 1 11 2 | 10,55,704 | 0 12 5 | 0 15 6 | 701,697 | 1 8 1 | 1 | 1 083 |
| | Zamíndári | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | . | | | |
| | Whole inám villages | 139,057 | 139,057 | ... | ... | ... | 14,724 | 26,028 | 0 9 1 | ... | ... | ... | . | | | |
| Cuddapah | Ryotwári | 5,306,073 | 3,945,704 | — 4,230 | 1,364,599 | 1,161,215 | 23,65,209 | 1,209,313 | 1 15 4 | 20,35,517 | 1 8 0 | 1 12 1 | 1,209,313 | 1 10 11 | 1 | 17 379 |
| | Zamíndári | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | | | | |
| | Whole inám villages | 278,687 | 278,687 | ... | ... | ... | 40,425 | 62,759 | 0 10 4 | . | ... | ... | . | | | |
| North Arcot | Ryotwári | 2,615,785 | 1,725,318 | 4,005 | 886,462 | 726,642 | 22,92,800 | 1,361,423 | 1 10 11 | 21,61,960 | 2 7 0 | 15 7 | 1,361,423 | 1 9 5 | 7 | 121,067 |
| | Zamíndári | 2,019,840 | 794,758 | ... | 1,225,082 | ... | 3,62,613 | 665,350 | 0 8 9 | 3,62,613 | 0 4 9 | ... | 665,350 | 0 8 9 | | |
| | Whole inám villages | 78,246 | 78,246 | ... | ... | ... | 26,982 | 87,714 | 0 4 11 | ... | ... | ... | ... | .. | | |
| Chingleput | Ryotwári | 1,374,469 | 711,294 | 5,924 | 657,251 | 532,517 | 14,79,811 | 857,882 | 1 11 7 | 14,17,325 | 2 2 6 | 2 10 7 | 857,882 | 1 10 5 | 2 | 55,687 |
| | Zamíndári | 389,155 | 186,318 | ... | 202,837 | ... | 1,55,155 | 210,594 | 0 11 9 | 1,54,425 | 0 12 2 | ... | 210,594 | 0 11 9 | | |
| | Whole inám villages | 215,341 | 215,341 | ... | ... | ... | 68,977 | 134,452 | 0 8 3 | ... | ... | ... | .. | ... | | |
| Madras | Ryotwári | 16,332 | 4,210 | ... | 12,622 | ... | 81,645 | 452,518 | 0 2 11 | 81,645 | 6 7 6 | ... | 452,518 | 9 2 11 | 1 | 452,518 |
| | Zamíndári | ... | ... | ... | ... | ... | ... | | | ... | ... | ... | | | | |
| | Whole inám villages | 448 | 448 | ... | ... | ... | 193 | | | ... | ... | ... | | | | |

NOTE.—The above are the statistics for 1897-98, as finally revised. Owing to an alteration in the due date for the submission of this return, the figures for 1898-99 will be available only in the Presidency Administration Report for 9-1900.

## FISCAL—*continued.*

(9)—*Statement showing the incidence of the land revenue on area and population in each district in the Madras Presidency in the agricultural year ending June* 1898—continued.

| District. | Nature of tenure. | Total area by Survey, less feudatories [Table A 1 (1) minus Table A 1 2 (a)]. | Deduct. Area not fully assessed. | Deduct. Area for which returns, so far as required for this table, are not available. | Balance, *i.e.*, fully assessed area for which returns are available. Total. | Balance, *i.e.*, fully assessed area for which returns are available. Cultivated. | Total land revenue (excluding cesses) of district (column 2). | Population of district (column 2). | Land revenue per head of population (columns 5 and 6). | Land revenue assessed on fully assessed area (column 4 (a)). | Incidence per acre of land revenue (column 8) on fully assessed area (col. 4). For total area. | Incidence per acre of land revenue (column 8) on fully assessed area (col. 4). For cultivated area. | Population of fully assessed area. | Land revenue assessment per head of population of fully assessed area (columns 8 and 11). | Towns over 10,000 inhabitants. Number of towns. | Towns over 10,000 inhabitants. Aggregate population. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3(a) | 3(b) | 4(a) | 4(b) | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | ACS. | ACS. | ACS. | ACS. | ACS. | RS. | NO. | RS. A. P. | RS. | RS. A. P. | RS. A. P. | NO. | RS. A. P. | NO. | NO. |
| South Arcot .. | Ryotwári ... ... | 3,257,590 | 1,624,648 | 46,612 | 1,586,330 | 1,380,777 | 41,51,490 | 2,074,478 | 2 0 0 | 39,46,754 | 2 7 9 | 2 13 8 | 2,074,478 | 1 14 5 | 4 | 92,211 |
| | Zamindári ... ... | 22,400 | 10,883 | | 11,517 | ... | 8,649 | 36,665 | 0 3 9 | 8,649 | 0 12 0 | | 36,665 | 0 3 9 | | |
| | Whole inám villages ... | 58,240 | 58,240 | ... | ... | ... | 21,992 | 51,708 | 0 6 10 | ... | .. | . | . | . | | |
| Salem .. ... | Ryotwári ... ... | 3,506,745 | 2,122,062 | .. | 1,384,683 | 1,238,991 | 19,35,523 | 1,381,489 | 1 6 5 | 19,08,603 | 1 6 1 | 1 8 8 | 1,381,489 | 1 6 1 | 5 | 123,940 |
| | Zamindári ... ... | 1,030,812 | 455,064 | .. | 575,748 | ... | 4,51,418 | 535,902 | 0 13 6 | 4,49,225 | 0 12 6 | | 535,902 | 0 13 5 | | |
| | Whole inám villages ... | 280,822 | 280,822 | ... | ... | ... | 42,757 | 45,300 | 0 15 2 | ... | .. | | . | . | | |
| Coimbatore ... | Ryotwári ... ... | 4,871,835 | 2,398,487 | 2,336 | 2,471,012 | 2,028,934 | 29,51,861 | 1,931,025 | 1 8 6 | 28,38,424 | 1 2 5 | 1 6 5 | 1,931,025 | 1 7 6 | 3 | 69,465 |
| | Zamindári ... ... | 106,880 | 22,396 | ... | 84,484 | ... | 27,784 | 52,295 | 0 8 6 | 27,691 | 0 5 3 | . | 52,295 | 0 8 6 | | |
| | Whole inám villages ... | 51,705 | 51,705 | ... | ... | ... | 3,426 | 21,519 | 0 2 7 | ... | .. | | . | . | | |
| Trichinopoly ... | Ryotwári ... ... | 1,803,520 | 729,699 | 10,706 | 1,063,115 | 802,556 | 19,33,657 | 1,094,932 | 1 13 0 | 19,47,672 | 1 13 4 | 2 6 10 | 1,094,932 | 1 12 6 | 2 | 112,241 |
| | Zamindári ... ... | 336,652 | 115,930 | ... | 220,722 | ... | 53,372 | 193,289 | 0 4 5 | 52,359 | 0 3 10 | . | 193,289 | 0 4 4 | | |
| | Whole inám villages ... | 133,668 | 133,668 | ... | ... | ... | 17,820 | 84,496 | 0 3 4 | ... | . | . | . | . | | |
| Tanjore ... ... | Ryotwári ... ... | 1,746,430 | 597,814 | 9,752 | 1,138,884 | 1,007,835 | 57,65,863 | 1,745,037 | 3 4 10 | 56,99,758 | 5 0 1 | 5 10 6 | 1,745,037 | 3 4 3 | 2 | 203,666 |
| | Zamindári ... ... | 177,470 | 43,173 | ... | 134,297 | ... | 31,481 | 96,896 | 0 5 2 | 31,453 | 0 3 9 | .. | 96,896 | 0 5 2 | | |
| | Whole inám villages ... | 447,824 | 447,824 | ... | ... | ... | 1,60,381 | 386,181 | 0 6 8 | ... | .. | . | ... | | | |
| Madura ... ... | Ryotwári ... ... | 2,143,567 | 1,063,764 | — 1,322 | 1,081,125 | 896,051 | 19,50,595 | 1,134,608 | 1 11 6 | 18,98,865 | 1 12 1 | 2 1 11 | 1,134,608 | 1 10 9 | 8 | 189,623 |
| | Zamindári ... ... | 3,377,552 | 470,149 | ... | 2,907,403 | ... | 7,66,759 | 1,067,369 | 0 11 6 | 7,55,355 | 0 4 2 | . | 1,067,369 | 0 11 4 | | |
| | Whole inám villages ... | 119,343 | 119,343 | ... | ... | .. | 79,641 | 406,427 | 0 3 2 | ... | ... | ... | .. | . | | |
| Tinnevelly ... | Ryotwári ... ... | 2,344,033 | 869,083 | 3,727 | 1,471,223 | 981,646 | 25,04,795 | 1,348,347 | 1 13 9 | 24,45,855 | 1 10 7 | 2 7 10 | 1,348,347 | 1 13 0 | 12 | 194,666 |
| | Zamindári ... ... | 902,213 | 202,463 | .. | 699,750 | ... | 8,20,020 | 450,367 | 0 11 4 | 8,09,288 | 0 7 1 | | 450,367 | 0 11 0 | | |
| | Whole inám villages ... | 202,613 | 202,613 | ... | ... | ... | 62,326 | 117,381 | 0 8 6 | ... | ... | . | .. | . | | |
| The Nilgiris ... | Ryotwári ... ... | 612,627 | 414,787 | — 150 | 197,990 | 69,956 | 1,37,473 | 99,797 | 1 6 0 | 1,37,473 | 0 11 1 | 1 15 5 | 99,797 | 1 6 0 | 1 | 15,053 |
| | Zamindár ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |
| | Whole inám villages ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |
| Malabar ... ... | Ryotwári ... ... | 3,572,665 | 2,594,452 | — 777 | 978,990 | 908,937 | 19,76,853 | 2,640,218 | 0 12 0 | 19,74,300 | 2 0 3 | 2 2 9 | 2,640,218 | 0 12 0 | 5 | 177,774 |
| | Zamindári ... ... | 7,066 | ... | ... | 7,066 | ... | 15,000 | 12,347 | 1 3 5 | 15,000 | 2 2 0 | ... | 12,347 | 1 3 5 | | |
| | Whole inám villages ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | ... | | |
| South Canara ... | Ryotwári ... ... | 2,497,280 | 2,059,933 | ... | 437,347 | 383,974 | 12,95,338 | 1,056,081 | 1 3 7 | 12,95,338 | 2 15 5 | 3 6 0 | 1,056,081 | 1 3 7 | 1 | 40,922 |
| | Zamindári ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | | |
| | Whole inám villages ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | | |
| Total ... | Ryotwári ... ... | 60,845,803 | 35,323,021 | 1,689,643 | 23,833,139 | 19,615,538 | 4,87,09,917 | 25,280,261 | 1 14 10 | 4,52,02,406 | 1 14 4 | 2 4 10 | 25,103,509 | 1 12 10 | 92 | 2,565,678 |
| | Zamindári ... ... | 25,993,335 | 4,483,019 | ... | 21,510,316 | ... | 60,80,302 | 8,076,319 | 0 12 1 | 57,11,870 | 0 4 5 | ... | 8,076,319 | 0 11 4 | | |
| | Whole inám villages ... | 3,534,920 | 3,534,920 | ... | ... | ... | 10,13,391 | 2,273,860 | 0 7 2 | ... | ... | . | ... | . | | |
| | Grand Total ... | 90,374,058 | 43,340,960 | 1,689,643 | 45,343,455 | 19,615,538 | 5,58,03,610 | 35,630,440 | 1 9 1 | 5,09,14,276 | 1 2 0 | 2 4 10 | 33,179,828 | 1 8 7 | .. | .. |

NOTE.—The above are the statistics for 1897-98, as finally revised. Owing to an alteration in the due date for the submission of this return, the figures for 1898-99 will be available only in the Presidency Administration Report for 1899-1900.

## FISCAL—*continued.*

(10)—*Varieties of tenure held direct from Government during the agricultural year* 1896–97.

| Nature of tenure. | Number of estates. | Number of villages. | Number of holders or share-holders. | Gross area. | Average area of each estate. | Average assessment of each estate. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | No. | No. | No. | ACRES. | ACRES | RS. A. P. |
| 1. Revenue payers paying more than Rs. 50,000 revenue. (*a*) Individuals under law of primogeniture | 16 | 10,366 | 16 | 8,245,599 | 515,350 | 1,75,827 2 0 |
| (*b*) Individuals and families under ordinary law | 1 | 269 | 1 | 188,160 | 188,160 | 59,928 0 0 |
| (*c*) Village communities | ... | ... | ... | ... | ... | ..... |
| 2. Revenue payers paying from Rs. 50,000 to Rs. 5,000 revenue. (*a*) Individuals under law of primogeniture | 45 | 9,887 | 45 | 11,604,901 | 257,887 | 15,511 5 0 |
| (*b*) Individuals and families under ordinary law | 93 | 1,211 | 110 | 1,413,494 | 17,030 | 15,128 0 9 |
| (*c*) Village communities | ... | .. | ... | .. | ... | ..... |
| 3. Revenue payers paying from Rs. 5,000 to Rs. 100 revenue. (*a*) Individuals under law of primogeniture | 72 | 1,040 | 89 | 900,098 | 12,501 | 1,843 9 9 |
| (*b*) Individuals and families under ordinary law | 593 | 2,514 | 972 | 2,178,369 | 3,673 | 1,295 10 11 |
| (*c*) Village communities | ... | ... | ... | ... | ... | ..... |
| 4. Revenue payers paying less than Rs. 100 revenue. (*a*) Individuals under law of primogeniture | 21 | 64 | 24 | 44,650 | 2,126 | 12 3 1 |
| (*b*) Individuals and families under ordinary law | 873 | 568 | 1,641 | 248,377 | 285 | 12 13 8 |
| (*c*) Village communities | . | ... | ... | ... | ... | ..... |
| 5. Small holdings held separate and direct from Government ryotwari tenure | 3,198,415 | 23,133 | 5,556,560 | 22,911,305 | 7 | 14 3 3 |
| 6. Holders of wholly or partially revenue-free tenures. (*a*) In perpetuity | 443,028 | 27,777 | 839,831 | 7,594,416 | 17 | 9 11 5 |
| (*b*) For life or lives | 1,498 | 566 | 2,142 | 20,745 | 14 | 4 12 10 |
| 7. Landowners who have redeemed the revenue | 611 | 193 | 727 | 4,069 | 7 | 2 4 8 |
| 8. Purchasers of waste lands | 732 | 120 | 826 | 35,555 | 49 | 36 7 10 |
| 9. Others * | 275 | 568 | 593 | 87,582 | 318 | 73 13 7 |
| Total ... | 3,647,163 | ... | ... | 55,477,320 | 15 | 15 3 7 |

NOTE.—The statement is now prepared quinquennially under instructions from Government of India. The figures given above relate to 1896–97, the last year in which the statement was prepared.

* Includes renters of estates in the districts of Vizagapatam, Gódávari, Chingleput and Salem.

## FISCAL—*continued.*

(11)—*Registers of Transfers of property in land in each district in the Madras Presidency in the agricultural year ending 30th June* 1898.

| Districts. | Nature of tenure. | Number of transfers | | Total area transferred | |
|---|---|---|---|---|---|
| | | By order of Court. | By private contract or gift. | By order of Court. | By private contract or gift. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | NO. | NO. | ACS. | ACS. |
| Ganjam ... ... | Proprietors... { Revenue paying ... ... ... ... ... ... | 158 | 1,766 | 261 | 3,806 |
| | { Wholly or partially revenue free ... ... ... | ... | 80 | ... | 333 |
| Vizagapatam ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 28 | 376 | 6,062 | 7,045 |
| | { Wholly or partially revenue free ... ... ... | 10 | 229 | 31 | 858 |
| Godâvari ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 119 | 3,415 | 1,252 | 14,650 |
| | { Wholly or partially revenue free ... ... ... | 21 | 1,601 | 339 | 4,615 |
| Kistna ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 267 | 6,893 | 1,565 | 32,700 |
| | { Wholly or partially revenue free ... ... ... | 9 | 685 | 139 | 4,141 |
| Nellore ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 90 | 2,232 | 682 | 9,208 |
| | { Wholly or partially revenue free ... ... ... | 1 | 112 | 7 | 553 |
| Kurnool ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 19 | 1,459 | 137 | 10,757 |
| | { Wholly or partially revenue free ... ... ... | 11 | 392 | 383 | 2,880 |
| Bellary ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 32 | 2,040 | 646 | 19,832 |
| | { Wholly or partially revenue free ... ... ... | 8 | 261 | 206 | 3,630 |
| Anantapur ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 39 | 1,456 | 135 | 6,019 |
| | { Wholly or partially revenue free ... ... ... | 14 | 88 | 83 | 831 |
| Cuddapah ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 38 | 2,060 | 314 | 7,132 |
| | { Wholly or partially revenue free ... ... ... | 3 | 108 | 3 | 294 |
| North Arcot ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 396 | 5,583 | 938 | 9,357 |
| | { Wholly or partially revenue free ... ... ... | 2 | 192 | 6 | 470 |
| Chingleput ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 159 | 5,668 | 607 | 17,875 |
| | { Wholly or partially revenue free ... ... ... | 8 | 195 | 103 | 8,208 |
| Madras ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 9 | 786 | 5 | 305 |
| | { Wholly or partially revenue free ... .. ... | ... | ... | ... | ... |
| South Arcot ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 336 | 13,722 | 754 | 22,468 |
| | { Wholly or partially revenue free ... ... ... | ... | 28 | ... | 52 |
| Salem ... ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 70 | 6,590 | 418 | 47,109 |
| | { Wholly or partially revenue free .. ... ... | ... | 26 | ... | 751 |
| Coimbatore ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 52 | 8,483 | 5,892 | 70,878 |
| | { Wholly or partially revenue free ... ... ... | 3 | 140 | 17 | 1,129 |
| Trichinopoly ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 172 | 3,788 | 562 | 8,386 |
| | { Wholly or partially revenue free ... ... ... | ... | 13 | ... | 95 |
| Tanjore ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 865 | 8,641 | 1,860 | 16,338 |
| | { Wholly or partially revenue free ... ... ... | 6 | 213 | 599 | 2,854 |
| Madura ... ... | Do. ... { Revenue paying ... ... ... .. ... ... | 725 | 7,633 | 55,729 | 1,365,621 |
| | { Wholly or partially revenue free ... ... ... | 3 | 91 | 16 | 779 |
| Tinnevelly ... ... | Do ... { Revenue paying ... ... ... ... ... ... | 1,101 | 12,969 | 2,410 | 29,275 |
| | { Wholly or partially revenue free ... ... ... | 3 | 29 | 3 | 34 |
| The Nilgiris ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 14 | 299 | 438 | 11,234 |
| | { Wholly or partially revenue free ... ... ... | ... | ... | ... | ... |
| Malabar ... ... | Do. ... { Revenue paying ... ... ... ... ... ... | 142 | 1,610 | 218 | 4,225 |
| | { Wholly or partially revenue free ... ... ... | ... | ... | ... | ... |
| South Canara ... | Do. ... { Revenue paying ... ... ... ... ... ... | 27 | 2,043 | ... | ... |
| | { Wholly or partially revenue free ... ... ... | ... | 22 | ... | ... |
| Total ... | Do. ... { Revenue paying ... ... ... ... ... ... | 4,858 | 99,512 | 80,885 | 1,714,223 |
| | { Wholly or partially revenue free ... ... ... | 102 | 4,565 | 1,935 | 32,507 |

NOTE.—The above are the statistics for 1897-98, as finally revised. Owing to an alteration in the due date for the submission of this return, the figures for 1898-99 will be available only in the Presidency Administration Report for 1899-1900.

# CHAPTER III.—PROTECTION.

# A.—LEGISLATIVE.

## (12)—*Statement of Acts passed by the local Legislature in* 1898-99, *and sanctioned as required by Law.*

| Title of Act. | By whom proposed. | Object and character of Act. | Date on which assent of Governor-General was accorded. |
|---|---|---|---|
| An Act to amend the Madras City Police Act, 1888. | Government ... | The Act amends section 5 of Madras Act III of 1888 by the addition of a proviso, enabling Government to place the members of the Railway Police employed in the City of Madras under the control of the Inspector-General of Police, who superintends the rest of the Railway Police, instead of being, as at present, under the control of the Commissioner of Police, at Madras. | 28th June 1898. |
| An Act to repeal Madras Act I of 1880 (An Act for regulating the storing, sale and packing for conveyance of gunpowder). | Do. ... | The Act repeals Madras Act I of 1880 which regulates the storage, &c., of gunpowder, the Indian Explosives Act, 1884, and the rules made thereunder having been considered sufficient for any thing which can possibly be needed with reference to the safe-guarding of explosives. | 22nd July 1898. |
| The Malabar Wills Act, 1898 ... | Do. ... | The Act declares the power of persons governed by the Marumakkatayam or the Aliyasantana law of inheritance to devise by will property which they can deal with by gift *inter vivos*, doubts having arisen as to whether such persons have testamentary power over their separate and self-acquired property. The Act also contains rules for the execution, attestation, revocation, &c., of such wills. | 3rd August 1898. |
| An Act to amend Madras Act IV of 1884. | Do. ... | The Act makes clear the intention of the Legislature that the term 'flesh' in sub-section (2) of section 191 of Madras Act IV of 1884 (the District Municipalities Act) includes 'fish'. | 1st March 1899. |

## (13)—*Statement of Bills proposed or pending in the local Legislature during* 1898-99.

| No. of Bill. | Title of Bill. | By whom proposed. | Object and character of the Bill. | When introduced. | When rejected or withdrawn. | If pending, why and in what stage. |
|---|---|---|---|---|---|---|
| ... | A Bill to amend the Religious Endowments Act XX of 1863. | The Hon. M.R.Ry. K. Kalyanasundaram Aiyar Avargal. | This Bill is intended to remove certain alleged defects in Act XX of 1863, such as the following:—The life membership of committee members; the absence of provision for the proper preparation and revision of the lists of voters; the inability of committees to deal effectually with negligent and disobedient trustees; the absence of express provision enabling committees to require temples to contribute to the maintenance of establishments; and the absence of provision to ensure the keeping of proper accounts by the committees and the scrutiny of those accounts and those of the trustees annually. The provisions of the Bill are confined to such Hindu religious endowments as are under the management of committees created by Act XX of 1863. | Leave to introduce the Bill was granted at the meeting of the Council held on the 26th February 1896. | ..... | Introduction of the measure deferred till a decision was come to by this Government in communication with the Government of India on the subject matter of this Bill and of the one under consideration in the Public department; but M.R.Ry. Kalyanasundaram Aiyar ceased to be an additional Member of the Council on the 31st August 1897. |
| No. 2 of 1897. | A Bill further to amend Madras Act VIII of 1865 (Recovery of Rent). | The Hon. M.R.Ry. Diwan Bâhadur V. Bhâshyam Aiyangar Avargal, C.I.E. | The Bill aims at removing certain hardships in the existing enactment so as to facilitate the recovery by landlords of rents due to them, and declares that for certain purposes a judgment by the Collector in a suit under the Act shall be of the same force and effect as the muchalika executed by the tenant. | 9th February 1897 ... | ..... | The Select Committee reported on the Bill on the 20th March 1897; and the report was presented formally to the Council on the 4th April of the same year when the consideration of the Bill was postponed to a future date. |
| No. 5 of 1897. | A Bill to declare gains of learning by a Hindu to be his separate property. | Do. ... | The object of the Bill is to declare that acquisitions made by a Hindu by means of his learning, shall form his separate and exclusive property, irrespective of the nature of such learning and of the assistance which he may have derived from family funds or from a member of his family in the acquisition of such knowledge. | 23rd November 1897. | ..... | The Select Committee reported on the Bill on the 25th March 1899. |

## A. LEGISLATIVE—*continued.*

(13)—*Statement of Bills proposed and pending in the local Legislature during* 1898–99—continued.

| No. of Bill. | Title of Bill. | By whom proposed. | Object and character of the Bill. | When introduced. | When rejected or withdrawn. | If pending, why and in what stage. |
|---|---|---|---|---|---|---|
| No. 2 of 1898. | Bill further to amend the Madras Local Boards Act, 1884. | Government. | The object of the Bill is to correct minor defects in the Madras Local Boards Act, 1884 without introducing any radical alterations in its main principles. The Bill also introduces into the Act some of the amendments made in the Madras District Municipalities Act, 1884, by Madras Act III of 1897 so far as they are applicable to Local Boards. | 4th April 1898 ... | ... .. | Referred to a Select Committee on the 4th April 1898. |
| No. 3 of 1898. | Bill to amend the law relating to landlord and tenant in the Presidency of Madras. | Do. ... | The Bill consolidates and amends the law on the subject of landlord and tenant in this Presidency, as contained in Madras Act VIII of 1865 with subsequent amendments. The chief provisions in the Bill are those securing occupancy rights to the tenants, and those which make rent a first charge upon the land sold for arrears, those about repair of irrigation works, and compensation for tenants' improvements, and the provisions for forming a record of rights and a record of proprietor's private lands. | 13th June 1898 ... | ..... | Referred to a Select Committee on the 13th June 1898. |
| No. 5 of 1898. | Bill to make provision for the registration of births and deaths in rural tracts. | Do. ... | The present mode of obtaining information about births and deaths in non-municipal areas being found to be defective, the Bill aims at taking power to extend to those areas the compulsory system of registration now in force in Municipalities. | 13th December 1898. | ..... | * Passed into law at the meeting of the Council held on the 9th March 1899. |
| No 6 of 1898. | Bill to secure to tenants in the Malabar District compensation for improvements. | Do. ... | The Bill repeals and re-enacts Madras Act I of 1887, laying down more definite principles for the guidance of the Courts in awarding compensation for tenants' improvements and rendering the language of the Act more precise, especially in the use and application of the term 'improvement.' | 24th January 1899 ... | ..... | Referred to a Select Committee on the 24th January 1899. |
| No. 1 of 1899. | Bill to amend Madras Regulation V of 1804. | Do. ... | The object of the legislation is to confer on the Court of Wards larger and more effective powers for the relief of encumbered estates placed under its management and to provide a law under which it would be competent for the Court to assume the management of estates the proprietors of which have been declared incapacitated. | ..... | ..... | † Introduction postponed to a later date at the Meeting of the Council held on the 9th March 1899. |
| No. 2 of 1899. | Bill to amend the City of Madras Municipal Act, 1884. | Do. ... | The Bill proposes to amend section 165 and Schedules B and C of Madras Act I of 1884 so as to enhance the fee for the registration of carts and the tax on animals and vehicles by 50 per cent.; the object being to provide funds for carrying out the scheme for the drainage of the City of Madras. | 9th March 1899 ... | ..... | ‡ Pending passing of the bill into law at a later Meeting of the Council. |

* Received the assent of the Governor-General on the 3rd May 1899.

† Subsequently passed into law on 6th June 1899; the assent of the Governor-General was received on the 3rd July 1899.

‡ Subsequently passed into law on the 7th April 1899; the assent of the Governor-General was received on the 1st May 1899.

(14)—*Projects of legislation submitted by the Madras Government during* 1898–99 *to the Government of India in view of their introduction into the Governor-General's Legislative Council.*

| Title of Bill. | By whom proposed. | Object and character of Bill. | Fate, result or present position of the proposed Bill. |
|---|---|---|---|
| | | *Nil.* | |

# B.—POLICE.

(15)—*Statement showing the strength, cost, distribution and employment of District Police in the year* 1898.

| Ranges. | Districts. | Sanctioned strength of Police force. | | | | | | | | | | | Cost of Police. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Deputy Inspector-General, and Assistant Inspectors-General. | Strength of District, Cantonment, Town or Municipal, and Water Police paid for wholly or in part from Imperial or Provincial Revenues. | | | | | | | | | | Pay and travelling or other allowances (of all kinds) of controlling officers (col. 2) and pay and travelling or other allowances of their establishments. | Pay and travelling or other allowances (of all kinds) of District and Assistant District Superintendents and their office and personal establishments. | Total pay of subordinate officers (cols. 4 to 6). | Total pay of constables of all classes cols. 7 to 9. | Horse and travelling allowances, pay and pay-ment of other establishments, included in cols. 4 to 11. |
| | | | Number of District and Assistant District Superintendents. | Number of Inspectors. | Number of Deputy Sub-Inspectors or Chief or European constables. | Number of Head Constables or Sergeants (Mounted and unmounted). | Number of Mounted Constables. | Number of Foot Constables. | Number of Water Constables. | Total. | Cantonment, Town and Water Police paid for, wholly, from other than Imperial or Provincial Revenues. Officers. | Cantonment, Town and Water Police paid for, wholly, from other than Imperial or Provincial Revenues. Men. | | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | Chief Office | 2 | * 10 | 1 | ... | 2 | ... | 16 | ... | 29 | ... | ... | † 85,923 | 19,002 | 1,226 | 1,716 | 5,404 |
| | Madras City Police | ... | ‡ 3 | 17 | 41 | 122 | 4 | 862 | 44 | 1,093 | ... | ... | ... | § 38,804 | 82,007 | 94,797 | 1,766 |
| Northern Range. | Deputy Inspector-General of Police | 1 | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | 20,520 | | | | 59 |
| | Ganjám | ... | 3 | 17 | ... | 122 | ... | 802 | ... | 944 | ... | ... | | 31,801 | 41,582 | 77,757 | 13,815 |
| | Vizagapatam | ... | 3 | 23 | 1 | 139 | ... | 918 | ... | 1,084 | ... | ... | | 30,553 | 54,870 | 83,073 | 15,246 |
| | Jeypore | ... | 2 | 8 | ... | 54 | ... | 350 | ... | 414 | ... | ... | . | 23,114 | 19,066 | 27,610 | 4,041 |
| | Gódávari | ... | 2 | 21 | 1 | 135 | ... | 945 | ... | 1,104 | ... | ... | . | 22,974 | 43,472 | 79,678 | 11,116 |
| | Kistna | ... | 2 | 18 | 2 | 131 | ... | 985 | ... | 1,138 | ... | ... | ... | 21,244 | 49,057 | 84,276 | 11,428 |
| | Total | 1 | 12 | 88 | 4 | 581 | ... | 4,000 | ... | 4,685 | ... | ... | 20,520 | 1,29,686 | 2,07,927 | 3,69,154 | 70,703 |
| Central Range. | Deputy Inspector-General of Police | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21,882 | | | | 149 |
| | Nellore | ... | 2 | 20 | ... | 133 | ... | 958 | ... | 1,113 | ... | ... | . . | 21,987 | 50,525 | 78,277 | 9,857 |
| | Kurnool | ... | 2 | 21 | 1 | 125 | ... | 792 | ... | 941 | ... | ... | ... | 24,908 | 46,980 | 65,115 | 10,895 |
| | Bellary | ... | 1 | 16 | 3 | 97 | ... | 648 | ... | 765 | ... | ... | ... | 16,271 | 38,558 | 50,378 | 9,417 |
| | Anantapur | ... | 1 | 12 | ... | 71 | ... | 495 | ... | 579 | ... | ... | ... | 14,672 | 27,584 | 41,943 | 7,275 |
| | Cuddapah | ... | 2 | 22 | ... | 121 | ... | 856 | ... | 1,001 | ... | ... | ... | 19,105 | 45,025 | 73,046 | 14,525 |
| | North Arcot | ... | 2 | 22 | ... | 143 | ... | 1,050 | ... | 1,217 | ... | ... | . | 30,816 | 58,363 | 88,315 | 13,738 |
| | Chingleput | ... | 1 | 15 | 1 | 93 | ... | 618 | ... | 728 | ... | ... | . . | 18,100 | 37,814 | 53,210 | 12,567 |
| | South Arcot | ... | 2 | 20 | 1 | 134 | ... | 806 | ... | 963 | ... | ... | ... | 22,111 | 53,947 | 69,648 | 10,013 |
| | Total | 1 | 13 | 148 | 6 | 917 | ... | 6,223 | ... | 7,307 | ... | ... | 21,882 | 1,67,970 | 3,58,546 | 5,19,940 | 88,094 |
| Southern Range. | Deputy Inspector-General of Police | 1 | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | 22,742 | ... | | | 56 |
| | Tanjore | ... | 2 | 21 | 2 | 141 | ... | 1,063 | ... | 1,229 | ... | ... | ... | 20,933 | 55,044 | 91,894 | 12,178 |
| | Trichinopoly | ... | 1 | 13 | 1 | 98 | ... | 617 | ... | 730 | ... | ... | ... | 13,657 | 36,315 | 53,757 | 6,859 |
| | Madura | ... | 2 | 25 | 1 | 163 | ... | 1,044 | ... | 1,234 | ... | ... | .. | 24,730 | 65,147 | 91,650 | 10,486 |
| | Tinnevelly | ... | 2 | 20 | 1 | 127 | ... | 845 | ... | 995 | ... | ... | .. | 21,641 | 45,824 | 72,198 | 10,367 |
| | Salem | ... | 2 | 23 | 1 | 146 | ... | 991 | ... | 1,163 | ... | ... | . . | 21,808 | 59,803 | 84,791 | 11,571 |
| | Coimbatore | ... | 3 | 23 | 3 | 113 | ... | 923 | ... | 1,095 | ... | ... | . . | 32,214 | 62,377 | 91,834 | 13,574 |
| | Malabar | ... | 4 | 25 | 3 | 151 | ... | 1,058 | ... | 1,241 | ... | ... | ... | 39,094 | 64,654 | 1,02,941 | 17,067 |
| | South Canara | ... | 1 | 11 | .. | 71 | ... | 436 | ... | 519 | ... | ... | ... | 22,791 | 25,404 | 36,645 | 5,139 |
| | Total | 1 | 17 | 162 | 12 | 1,039 | ... | 6,977 | ... | 8,207 | ... | ... | 22,742 | 1,96,858 | 4,14,628 | 6,24,420 | 87,813 |
| | Special Reserves | ... | ... | 8 | 5 | 69 | ... | 795 | ... | 877 | ... | ... | ... | . | 34,964 | 85,621 | 1,910 |
| | Madras Railway Police | ... | ... | 1 | .. | 10 | ... | 159 | ... | 170 | ... | ... | 449 | .. | 4,193 | 14,203 | 6,006 |
| | South Indian Railway Police | ... | ... | 1 | ... | 9 | .. | 204 | ... | 214 | ... | ... | 468 | | 4,770 | 10,597 | 10,371 |
| | Southern Mahratta Railway Police | ... | ... | 1 | 2 | 8 | ... | 126 | ... | 137 | ... | ... | 236 | | 3,956 | 10,986 | 3,854 |
| | H.H. Nizam's Guaranteed State Railway | ... | ... | ... | .. | ... | ... | 4 | ... | 4 | ... | .. | 11 | | 59 | 584 | 4 |
| | East Coast Railway | ... | ... | ... | ... | 17 | ... | 143 | ... | 160 | ... | ... | 221 | .. | 4,121 | 11,456 | 3,470 |
| | Total | ... | ... | 3 | 2 | 44 | ... | 636 | ... | 685 | ... | ... | 1,385 | | 17,099 | 50,780 | 23,715 |
| | Grand Total | 5 | 55 | 427 | 70 | 2,774 | 4 | 19,509 | 44 | ¶ 22,883 | ... | .. | 1,52,452 | 5,52,320 | 11,16,397 | ‖ 17,45,434 | ** 2,61,395 |

* Superintendent (Assistant to Government, Special Branch) and 9 Probationers.
† Includes cost of Inspector-General's establishment of 47 clerks and 14 office servants (not Police officers).
‡ 1 Commissioner, 1 Deputy and 1 Assistant Commissioners of Police.
§ Includes cost of Commissioner's establishment of 10 clerks and 17 servants (not Police officers).
‖ Includes cost of Marine establishment, consisting of 2 tindals, 18 boatmen, 3 boys and driver of prison-van, (not Police officers).
¶ Includes 177 village watchers.
** Includes Rs. 1,01,237 on account of Railway fare of Policemen.

## B.—POLICE—*continued.*

(15)—*Statement showing the strength, cost, distribution and employment of District Police in the year* 1898—continued.

| Ranges. | Districts. | Cost of Police—*continued.* | | | | | | Distribution of force. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average pay of | | | | | | District force. | | | | | | | | | | | |
| | | Mounted Constables. | Foot and Water Constables. | Contingencies and all expenses other than those included in cols. 13 to 17. | Total cost. | Payable (a) from Imperial, (b) Provincial Revenues. | Payable from other sources. | Guards at District, Central, and Subsidiary Jails. | | Reserve. | | Guards over lock-ups and Treasuries, or escorts to prisoners and treasure (if not included in cols. 26 and 27) also Policemen on orderly duty. | | Police employed in Courts. | | Engaged in prevention and detection of crime. | | Total. | |
| | | | | | | | | Officers. | Men. | Officers. | Men. | Officers. | Men. | Officers. | Men. | Officers. | Men. | Officers. | Men. |
| | | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
| | Chief Office ... ... ... ... ... ... ... ... | ... | ... | 12,778 | 1,24,249 | From Provincial Revenues. | ... | ... | ... | ... | ... | 2 | 16 | ... | ... | 13 | ... | 15 | 16 |
| | Madras City Police ... ... ... ... ... ... ... | 10½ | 9 | 38,777 | 2,59,891 | | ... | 2 | 8 | 23 | 67 | 15 | 82 | 6 | 30 | 142 | 718 | 188 | 905 |
| Northern Range. | Deputy Inspector-General of Police ... ... ... ... | Nil. | Rupees 7½ per mensem. | 2,269 | 22,828 | | ... | ... | ... | ... | ... | 1 | ... | .. | ... | 1 | | 2 | |
| | Ganjám ... ... ... ... ... ... ... ... ... | | | 23,983 | 1,85,688 | | ... | ... | 6 | ... | ... | 33 | 99 | 1 | 3 | 108 | 694 | 142 | 802 |
| | Vizagapatam ... ... ... ... ... ... ... ... ... | | | 28,981 | 2,10,703 | | ... | ... | ... | ... | ... | 34 | 124 | 1 | 3 | 131 | 791 | 166 | 918 |
| | Jeypore ... ... ... ... ... ... ... ... ... | | | 11,701 | 95,522 | | ... | 1 | 13 | ... | ... | 19 | 33 | ... | 6 | 44 | 298 | 64 | 350 |
| | Godávari ... ... ... ... ... ... ... ... ... | | | 17,234 | 1,74,484 | | ... | 1 | 6 | ... | ... | 32 | 156 | 1 | 3 | 125 | 780 | 159 | 945 |
| | Kistna ... ... ... ... ... ... ... ... ... | | | 26,748 | 1,92,691 | | ... | ... | 27 | 8 | 63 | 29 | 101 | 1 | 3 | 115 | 791 | 153 | 985 |
| | Total ... | | | 1,10,916 | 8,81,916 | | ... | 2 | 52 | 8 | 63 | 148 | 513 | 4 | 18 | 524 | 3,354 | 686 | 4,000 |
| Central Range. | Deputy Inspector-General of Police ... ... ... ... | | | 479 | 22,510 | | ... | ... | ... | ... | ... | ... | ... | .. | .. | 1 | . | 1 | |
| | Nellore ... ... ... ... ... ... ... ... ... | | | 19,863 | 1,80,249 | | ... | ... | 24 | 7 | 44 | 23 | 81 | 1 | 3 | 124 | 806 | 155 | 958 |
| | Kurnool ... ... ... ... ... ... ... ... ... | | | 16,733 | 1,64,511 | | ... | 1 | 6 | 9 | 74 | 26 | 104 | 1 | 8 | 112 | 600 | 149 | 792 |
| | Bellary ... ... ... ... ... ... ... ... ... | | | 14,049 | 1,28,693 | | ... | ... | 6 | 8 | 45 | 21 | 66 | 1 | 3 | 87 | 528 | 117 | 648 |
| | Anantapur ... ... ... ... ... ... ... ... ... | | | 10,250 | 1,01,724 | | ... | ... | 3 | 5 | 33 | 22 | 77 | 1 | ... | 56 | 382 | 84 | 495 |
| | Cuddapah ... ... ... ... ... ... ... ... ... | | | 20,312 | 1,71,843 | | ... | ... | ... | 5 | 60 | 24 | 92 | 1 | 3 | 115 | 701 | 145 | 856 |
| | North Arcot ... ... ... ... ... ... ... ... ... | | | 24,983 | 2,16,213 | | ... | ... | 30 | 8 | 54 | 26 | 93 | 1 | 3 | 132 | 870 | 167 | 1,050 |
| | Chingleput ... ... ... ... ... ... ... ... ... | | | 12,533 | 1,34,089 | | ... | 1 | 24 | 13 | 85 | 21 | 68 | 1 | 2 | 74 | 439 | 110 | 618 |
| | South Arcot ... ... ... ... ... ... ... ... ... | | | 20,262 | 1,76,064 | | ... | ... | ... | 7 | 37 | 32 | 147 | 1 | 2 | 117 | 620 | 157 | 806 |
| | Total ... | | | 1,39,464 | 12,95,896 | | ... | 2 | 93 | 62 | 432 | 195 | 728 | 8 | 24 | 818 | 4,946 | 1,085 | 6,223 |
| Southern Range. | Deputy Inspector-General of Police ... ... ... ... | | | 761 | 23,559 | | ... | ... | ... | ... | ... | 1 | ... | .. | .. | 1 | ... | 2 | ... |
| | Tanjore ... ... ... ... ... ... ... ... ... | | | 21,944 | 2,01,423 | | ... | ... | 33 | 11 | 82 | 27 | 106 | 1 | 4 | 127 | 838 | 166 | 1,003 |
| | Trichinopoly ... ... ... ... ... ... ... ... ... | | | 12,812 | 1,23,363 | | ... | 1 | 19 | 11 | 81 | 19 | 71 | 1 | 3 | 81 | 443 | 113 | 617 |
| | Madura ... ... ... ... ... ... ... ... ... | | | 24,378 | 2,16,371 | | ... | ... | 15 | 13 | 86 | 33 | 130 | 1 | 3 | 143 | 810 | 190 | 1,044 |
| | Tinnevelly ... ... ... ... ... ... ... ... ... | | | 18,229 | 1,68,249 | | ... | 1 | 29 | 8 | 61 | 25 | 103 | 1 | ... | 115 | 652 | 150 | 845 |
| | Salem ... ... ... ... ... ... ... ... ... | | | 21,559 | 1,99,592 | | ... | ... | 33 | 8 | 66 | 26 | 78 | 1 | 3 | 137 | 811 | 172 | 991 |
| | Coimbatore ... ... ... ... ... ... ... ... ... | | | 20,186 | 2,20,165 | | ... | ... | 6 | 9 | 50 | 34 | 128 | 1 | 3 | 128 | 736 | 172 | 923 |
| | Malabar ... ... ... ... ... ... ... ... ... | | | 50,765 | 2,54,421 | | ... | 2 | 44 | ... | ... | 30 | 91 | 1 | 6 | 150 | 917 | 183 | 1,058 |
| | South Canara ... ... ... ... ... ... ... ... ... | | | 10,126 | 1,00,088 | | ... | ... | 12 | ... | ... | 28 | 68 | 1 | 4 | 54 | 352 | 83 | 436 |
| | Total ... | | | 1,60,760 | 15,07,231 | | ... | 4 | 191 | 60 | 426 | 223 | 775 | 8 | 26 | 936 | 5,559 | 1,231 | 6,977 |
| | Special Reserves ... ... ... ... ... ... ... ... | | | ... | 1,22,495 | | ... | ... | ... | 82 | 795 | ... | ... | ... | ... | ... | ... | 82 | 795 |
| | Madras Railway Police ... ... ... ... ... ... ... | | | 2,037 | 26,948 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | 159 | 11 | 159 |
| | South Indian Railway Police ... ... ... ... ... ... | | | 2,514 | 37,720 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 10 | 204 | 10 | 204 |
| | Southern Mahratta Railway Police ... ... ... ... | | | 2,799 | 21,791 | | ... | ... | ... | ... | ... | ... | ... | ... | .. | 11 | 126 | 11 | 126 |
| | H.H. Nizam's Guaranteed State Railway ... ... ... | | | 30 | 688 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | .. | 4 |
| | East Coast Railway ... ... ... ... ... ... | | | 1,983 | 21,231 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 17 | 143 | 17 | 143 |
| | Total ... | | | 9,363 | 1,08,378 | | .. | ... | ... | ... | ... | ... | ... | ... | ... | 49 | 636 | 49 | 636 |
| | Grand Total ... | | | 4,72,058 | 43,00,056 | | ... | 10 | 344 | 235 | 1,788 | 583 | 2,114 | 26 | 98 | 2,482 | 15,213 | 3,336 | 19,552 |

# B.—POLICE—*continued.*

## (15)—*Statement showing the strength, cost, distribution and employment of District Police in the year* 1898—continued.

| Ranges. | Districts. | Distribution of force—*cont.* | | | Area of the whole province (or District) in square miles. | Population of the whole province (or District). | Number of Police stations. | Number of outposts. | Proportion of the Police engaged on prevention and detection of crime (officers and men). | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Town, Municipal or Harbour duty. | | In cantonments. | | | | | To area. | | | To population. | | | | |
| | | Officers. | Men. | | | | | | Of the whole province (District). | Of Province (District) exclusive both of the area and the force in Towns (3). | Of Towns exclusive of the force outside Towns. | Of the whole Province (District). | Of Province (District) exclusive both of the population and the force in Towns. | Of Towns exclusive of the force outside Towns. | Total amount of cognizable crime reported. | Proportion of cognizable crime to the Police force engaged in the prevention and detection of crime, cols. 22 and 23. |
| | | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| | Chief Office ... ... ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | | | |
| | Madras City Police ... ... ... ... ... ... ... | 140 | 714 | ... | 29 | 485,160 | 22 | ... | ·03 | ... | ·03 | 564 | | 568 | 50,675 | 89 |
| Northern Range. | Deputy Inspector-General of Police ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Ganjám ... ... ... ... ... ... ... ... ... | 16 | 149 | ... | 8,370 | 2,033,630 | 62 | ... | 10·4 | 13·07 | ·15 | 2,532 | 3,063 | 479 | 6,627 | 8 |
| | Vizagapatam ... ... ... ... ... ... ... ... ... | 34 | 275 | ... | 8,742 | 2,493,004 | 75 | 1 | 9·4 | 14·1 | ·25 | 2,704 | 3,730 | 668 | 7,513 | 8 |
| | Jeypore ... ... ... ... ... ... ... ... ... | ... | ... | ... | 8,500 | 512,182 | 27 | ... | 24·8 | 24·8 | . | 1,498 | 1,498 | | 887 | 5 |
| | Godávari ... ... ... ... ... ... ... ... ... | 37 | 370 | .. | 7,857 | 2,228,737 | 84 | 1 | 8·6 | 15·5 | ·27 | 2,462 | 4,058 | 5·5 | 5,339 | 6 |
| | Kistna ... ... ... ... ... ... ... ... ... | 30 | 275 | ... | 8,397 | 1,989,434 | 84 | 2 | 9·2 | 13·6 | ·61 | 2,195 | 3,055 | 503 | 8,233 | 9 |
| | Total ... | 117 | 1,069 | ... | 41,866 | 9,256,987 | 332 | 4 | 10·7 | 15·4 | ·34 | 2,387 | 3,195 | 554 | 28,619 | 7 |
| Central Range. | Deputy Inspector-General of Police ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Nellore ... ... ... ... ... ... ... ... ... | 21 | 184 | ... | 8,765 | 1,569,324 | 96 | ... | 9·4 | 11·8 | ·74 | 1,685 | 2,023 | 4·0 | 5,748 | 6 |
| | Kurnool ... ... ... ... ... ... ... ... ... | 18 | 129 | ... | 7,514 | 876,803 | 81 | ... | 10·5 | 13·02 | ·64 | 1,231 | 1,435 | 415 | 3,177 | 4 |
| | Bellary ... ... ... ... ... ... ... ... ... | 25 | 206 | 7 | 5,975 | 965,056 | 61 | 1 | 9·7 | 15·1 | ·64 | 1,769 | 2,079 | 7·1 | 6,239 | 10 |
| | Anantapur ... ... ... ... ... ... ... ... ... | 9 | 255 | ... | 5,275 | 759,659 | 40 | ... | 12·04 | 29 | ·43 | 1,734 | 4,0·3 | 2·6 | 4,242 | |
| | Cuddapah ... ... ... ... ... ... ... ... ... | 18 | 190 | ... | 8,722 | 1,363,834 | 91 | 2 | 10·6 | 14 | ·52 | 1,683 | 2,146 | 2·4 | 7,747 | 6 |
| | North Arcot ... ... ... ... ... ... ... ... ... | 30 | 287 | ... | 7,616 | 2,337,777 | 98 | ... | 7·6 | 11 | ·17 | 2,333 | 3,143 | 7·4 | 6,949 | 7 |
| | Chingleput ... ... ... ... ... ... ... ... ... | 29 | 277 | . 55 | 2,842 | 1,218,941 | 50 | 15 | 5·5 | 13 | ·15 | 2,376 | 5,284 | 3·8 | 9,708 | 12 |
| | South Arcot ... ... ... ... ... ... ... ... ... | 26 | 220 | ... | 5,217 | 2,318,879 | 86 | . 10 | 7·07 | 10 | ·20 | 3,146 | 4,454 | 5·6 | 8,024 | 11 |
| | Total ... | 171 | 1,748 | 62 | 51,926 | 11,410,264 | 603 | 28 | 9 | 13 | ·40 | 1,979 | 2,737 | 463 | 55,914 | 8 |
| Southern Range. | Deputy Inspector-General of Police ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Tanjore ... ... ... ... ... ... ... ... ... | 53 | 504 | ... | 3,709 | 2,388,840 | 74 | 2 | 3·8 | 8·9 | ·09 | 2,475 | 5,043 | 7·7 | 12,417 | 13 |
| | Trichinopoly ... ... ... ... ... ... ... ... ... | 18 | 174 | ... | 3,631 | 1,471,738 | 56 | ... | 6·9 | 10 | ·38 | 2,809 | 3,976 | 7·0 | 5,154 | 10 |
| | Madura ... ... ... ... ... ... ... ... ... | 14 | 127 | ... | 8,808 | 2,796,562 | 107 | 1 | 9·2 | 10 | ·14 | 2,934 | 3,302 | 8·8 | 12,120 | 13 |
| | Tinnevelly ... ... ... ... ... ... ... ... ... | 52 | 406 | ... | 5,387 | 2,054,314 | 85 | 7 | 7·02 | 16 | ·46 | 2,678 | 5,2·8 | 1·3 | 5,777 | 8 |
| | Salem ... ... ... ... ... ... ... ... ... | 31 | 285 | ... | 7,529 | 2,104,163 | 104 | ... | 7·9 | 11 | ·13 | 2,219 | 3,061 | . 6 | 6,717 | 7 |
| | Coimbatore ... ... ... ... ... ... ... ... ... | 29 | 265 | 13 | 8,817 | 2,256,454 | 82 | 2 | 10·2 | 15 | ·09 | 2,611 | 3,72· | 4·6 | 8,834 | 10 |
| | Malabar ... ... ... ... ... ... ... ... ... | 38 | 396 | ... | 5,585 | 2,843,910 | 105 | ... | 5·2 | 8·7 | ·07 | 2,665 | 4,023 | 6·5 | 10,054 | 9 |
| | South Canara ... ... ... ... ... ... ... ... | 7 | 65 | ... | 3,902 | 1,132,263 | 50 | 3 | 9·6 | 11 | ·12 | 2,794 | 3,246 | 6·9 | 2,281 | 6 |
| | Total ... | 242 | 2,222 | 13 | 47,368 | 17,048,244 | 663 | 15 | 7·4 | 11 | ·19 | 2,625 | 3,814 | 6·0 | 65,154 | 10 |
| | Special Reserves ... ... ... ... .. ... ... ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | | | | | |
| | Madras Railway Police ... ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | | | 246 | 1 |
| | South Indian Railway Police ... ... ... ... ... ... | .. | .. | .. | ... | ... | ... | ... | . | ... | . | | | | 515 | 1 |
| | Southern Mahratta Railway Police ... ... ... ... ... | ... | ... | ... | ... | .. | .. | ... | ... | .. | .. | | | | | |
| | H.H. Nizam's Guaranteed State Railway ... ... ... ... | ... | . | ... | .. | ... | ... | ... | .. | ... | . | | | | 275 | 1 |
| | East Coast Railway ... ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . | .. | | | | |
| | Total ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | . | 836 | 1 |
| | Grand Total ... | 676 | * 5,753 | 75 | 141,189 | † 38,200,655 | 1,620 | 47 | 8·3 | 13·2 | ·26 | 2,245 | 3,264 | 577 | 190,198 | 11 |

* The increase is due to the inclusion of the strength of towns having a population of 5,000 inhabitants or more. In previous years only municipal town strength was shown.
† One per cent. has been added to the previous year's figure.

# B.—POLICE—*continued.*

## (16)—*Statement showing the equipment, discipline and general internal management of the force for* 1898.

| Ranges. | Districts. | Total strength. Sanctioned. Officers. | Total strength. Sanctioned. Men. | Total strength. Actual. Officers. | Total strength. Actual. Men. | Armament of the force. With fire-arms. Number provided with rifles (special reserves, &c.). | With fire-arms. Number provided with breech-loading or smooth-bores carbines. | With fire-arms. Number provided with Enfield revolvers. | Not with fire-arms. Number provided with swords. | Not with fire-arms. Number provided with batons only. | Punishments. Dismissed. Officers. | Dismissed. Men. | Fined, degraded or suspended departmentally or departmentally punished in any other way provided in section 19 of the Madras Police Act. Officers. | Fined, degraded or suspended departmentally or departmentally punished in any other way provided in section 19 of the Madras Police Act. Men. | Punished judicially by a Magistrate or Sessions Court. Under Police Act. Officers. | Under Police Act. Men. | Under Secs. 330, 331, 348, Indian Penal Code. Officers. | Under Secs. 330, 331, 348, Indian Penal Code. Men. | Under Chapter IX of Indian Penal Code. Officers. | Under Chapter IX of Indian Penal Code. Men. | Other offences. Officers. | Other offences. Men. | Rewards. Rewarded during the year. By promotion. | By khillats, presents, good-conduct stripes or money rewards. | Education. Number of Police who can read and write. Officers. | Education. Number of Police who can read and write. Men. | Number enlisted during the year. | Number who have left the force during the year. Of one year's service and under ten years. | Of ten years' service and upwards. | On pension or gratuity. | By resignation without pension or gratuity. | By dismissal. | By discharge otherwise than under preceding columns. | By desertion. | By death. | Percentage to total actual strength of. Admissions into hospital. | Daily average sick. | Deaths. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| | Chief Office ... ... | 3 | 16 | 3 | 16 | ... | ... | ... | ... | ... | ... | ... | 3 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 3 | 16 | ... | 13 | 6 | | | | | | | | | | |
| | Madras City ... ... | 194 | 957 | 192 | 956 | ... | ... | ... | 216 | 935 | 1 | 10 | 35 | 324 | ... | 4 | ... | ... | ... | ... | ... | 9 | ... | 109 | 192 | 906 | 108 | 526 | 514 | 27 | 28 | 11 | 2 | 3 | 11 | 41·6 | ·1 | 1· |
| Northern Range. | Office of Dy. Inspr.-General of Police, Northern Range ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Ganjám ... ... | 155 | 956 | 152 | 958 | 202 | 439 | 16 | 188 | 266 | ... | 10 | 48 | 307 | ... | 3 | ... | ... | ... | ... | 1 | 8 | 4 | 198 | 145 | 804 | 70 | 524 | 516 | 29 | 9 | 10 | 4 | 6 | 17 | 37·2 | 1· | 1·5 |
| | Vizagapatam ... ... | 181 | 1,099 | 177 | 1,102 | 204 | 496 | 20 | 336 | 224 | 2 | 32 | 36 | 303 | ... | 3 | ... | ... | ... | ... | ... | 5 | 4 | 236 | 174 | 930 | 89 | 622 | 568 | 17 | 9 | 34 | 16 | 6 | 21 | 25·1 | ·7 | 1·6 |
| | Jeypore ... ... | 71 | 408 | 65 | 385 | 69 | 350 | 7 | 53 | ... | 4 | 12 | 14 | 53 | ... | 2 | ... | ... | ... | ... | 1 | 9 | ... | 4 | 62 | 268 | 39 | 238 | 173 | 1 | 7 | 16 | 9 | 5 | 8 | 19·1 | ·4 | 1·8 |
| | Gódávari ... ... | 172 | 1,080 | 171 | 1,065 | 138 | 421 | 18 | 388 | 287 | ... | 16 | 90 | 489 | 1 | 10 | ... | ... | ... | ... | ... | 7 | 1 | 143 | 168 | 880 | 75 | 640 | 521 | 15 | 11 | 16 | .. | 10 | 13 | 19·7 | ·6 | 1·1 |
| | Kistna ... ... | 149 | 954 | 142 | 954 | ... | 331 | 15 | 283 | 474 | 2 | 27 | 31 | 182 | ... | 7 | ... | ... | ... | 1 | ... | 17 | 8 | 304 | 142 | 838 | 92 | 440 | 564 | 20 | 19 | 29 | 3 | 7 | 9 | 12·4 | ·4 | ·8 |
| | Total ... | 729 | 4,497 | 708 | 4,464 | 613 | 2,037 | 76 | 1,248 | 1,251 | 8 | 97 | 219 | 1,334 | 1 | 25 | ... | ... | ... | 1 | 2 | 46 | 17 | 885 | 692 | 3,520 | 365 | 2,464 | 2,343 | 92 | 55 | 105 | 32 | 54 | 68 | 23·5 | ·6 | 1·3 |
| Central Range. | Office of Dy. Inspr.-General of Police, Central Range ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Nellore ... ... | 153 | 862 | 151 | 863 | ... | 286 | 18 | 279 | 432 | 1 | 10 | 42 | 189 | ... | 2 | ... | ... | ... | ... | ... | 7 | 1 | 280 | 151 | 694 | 84 | 396 | 534 | 20 | 23 | 11 | 6 | 3 | 20 | 14·7 | ·4 | 2· |
| | Kurnool ... ... | 143 | 796 | 140 | 779 | ... | 319 | 18 | 222 | 380 | 1 | 19 | 38 | 209 | ... | 10 | ... | ... | ... | ... | ... | 1 | ... | 196 | 137 | 331 | 133 | 374 | 412 | 21 | 34 | 20 | 1 | 16 | 18 | 14·7 | ·4 | 2· |
| | Bellary ... ... | 117 | 651 | 114 | 632 | ... | 247 | 12 | 206 | 303 | .. | 20 | 38 | 270 | ... | 3 | ... | ... | ... | ... | 3 | 14 | 1 | 132 | 110 | 303 | 131 | 309 | 306 | 11 | 26 | 20 | 11 | 13 | 5 | 14·5 | ·4 | ·7 |
| | Anantapur ... ... | 81 | 494 | 78 | 484 | ... | 176 | 10 | 145 | 244 | ... | 7 | 28 | 148 | ... | 3 | ... | ... | ... | ... | ... | 4 | 1 | 132 | 77 | 258 | 71 | 263 | 228 | 7 | 27 | 7 | 12 | 3 | 6 | 13·0·4 | ·4 | 1·1 |
| | Cuddapah ... ... | 143 | 859 | 139 | 858 | ... | 331 | 19 | 255 | 397 | ... | 13 | 50 | 299 | ... | 3 | ... | ... | ... | ... | 1 | 5 | 1 | 355 | 139 | 549 | 128 | 392 | 477 | 15 | 32 | 13 | 18 | 11 | 23 | 13·8·5 | ·4 | 2·3 |
| | North Arcot ... ... | 168 | 1,029 | 161 | 1,005 | ... | 407 | 19 | 295 | 471 | ... | 18 | 55 | 315 | 1 | 5 | ... | ... | ... | ... | 1 | 7 | ... | 314 | 161 | 898 | 146 | 528 | 492 | 19 | 23 | 18 | 1 | 21 | 13 | 20·8 | ·1 | 1·1 |
| | Chingleput ... ... | 108 | 621 | 107 | 611 | ... | 218 | 12 | 160 | 339 | ... | 6 | 50 | 227 | ... | 4 | ... | ... | ... | ... | ... | 5 | 1 | 160 | 107 | 611 | 66 | 346 | 306 | 12 | 20 | 6 | 2 | 4 | 6 | 7·9·5 | ·3 | ·8 |
| | South Arcot ... ... | 155 | 806 | 155 | 804 | ... | 306 | 16 | 308 | 331 | 1 | 7 | 24 | 134 | 1 | 2 | ... | ... | ... | ... | ... | 12 | 5 | 233 | 155 | 768 | 66 | 400 | 493 | 15 | 8 | 8 | 15 | 5 | 11 | 39·8 | ·1 | 1·1 |
| | Total ... | 1,063 | 6,118 | 1,045 | 6,036 | ... | 2,290 | 124 | 1,870 | 2,897 | 3 | 100 | 325 | 1,791 | 2 | 32 | ... | ... | ... | ... | 5 | 55 | 10 | 1,902 | 1,037 | 4,412 | 825 | 3,008 | 3,248 | 120 | 193 | 103 | 66 | 76 | 102 | 103 | ·3 | 1·4 |
| Southern Range. | Office of Dy. Inspr.-General of Police, Southern Range ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Tanjore ... ... | 170 | 1,096 | 167 | 1,098 | ... | 367 | 17 | 263 | 619 | ... | 21 | 54 | 274 | ... | 8 | ... | ... | ... | ... | ... | 8 | 24 | 370 | 167 | 1,096 | 107 | 562 | 596 | 19 | 11 | 21 | 9 | 15 | 16 | 61·6 | ·2 | 1·3 |
| | Trichinopoly ... ... | 112 | 617 | 110 | 617 | ... | 288 | 19 | 193 | 288 | 1 | 19 | 9 | 77 | ... | 2 | ... | ... | ... | ... | 1 | 10 | 1 | 201 | 110 | 617 | 59 | 334 | 334 | 6 | 9 | 11 | 3 | 6 | 7 | 25· | ·1 | 1· |
| | Madura ... ... | 188 | 1,048 | 186 | 1,049 | ... | 345 | 21 | 489 | 381 | 2 | 33 | 31 | 237 | ... | ... | ... | ... | ... | ... | 2 | 12 | 1 | 242 | 186 | 1,024 | 111 | 559 | 565 | 14 | 49 | 35 | 2 | 7 | 13 | 150·3 | ·4 | 1·1 |
| | Tinnevelly ... ... | 151 | 879 | 147 | 883 | ... | 254 | 17 | 290 | 469 | ... | 18 | 34 | 315 | ... | 3 | ... | ... | ... | ... | 1 | 9 | 4 | 262 | 146 | 874 | 72 | 516 | 442 | 13 | 32 | 18 | 1 | 4 | 10 | 161·6 | ·5 | 1· |
| | Salem ... ... | 170 | 991 | 170 | 984 | ... | 373 | 21 | 155 | 612 | ... | 15 | 29 | 215 | ... | 1 | ... | ... | ... | ... | 1 | 14 | 1 | 290 | 170 | 889 | 90 | 569 | 495 | 11 | 25 | 15 | 4 | 12 | 11 | 204·9 | ·5 | 1· |
| | Coimbatore ... ... | 143 | 750 | 143 | 746 | ... | 231 | 19 | 300 | 293 | ... | 13 | 43 | 210 | ... | 3 | ... | ... | ... | ... | ... | 6 | ... | 264 | 143 | 729 | 63 | 332 | 494 | 12 | 28 | 13 | 1 | 1 | 8 | 159·6 | ·4 | ·9 |
| | The Nilgiris ... ... | 25 | 162 | 25 | 158 | ... | 43 | ... | 80 | 64 | ... | 1 | 3 | 63 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 51 | 25 | 145 | 5 | 103 | 75 | 2 | 2 | 1 | ... | 1 | 4 | 232·8 | ·5 | 2·2 |
| | Malabar ... ... | 200 | 1,284 | 199 | 1,278 | 207 | 366 | 28 | 247 | 636 | 1 | 18 | 21 | 152 | ... | ... | ... | ... | ... | ... | ... | 6 | ... | 277 | 199 | 1,218 | 94 | 690 | 693 | 17 | 19 | 19 | 10 | 12 | 17 | 81· | 2 | 1·2 |
| | South Canara ... ... | 92 | 538 | 88 | 535 | 128 | 137 | 9 | 71 | 285 | 5 | 8 | 16 | 92 | 1 | ... | ... | 2 | ... | 1 | 2 | 6 | 3 | 190 | 87 | 405 | 76 | 263 | 284 | 20 | 11 | 13 | 9 | 3 | 6 | 135·2 | ·3 | 1· |
| | Total ... | 1,252 | 7,365 | 1,236 | 7,348 | 335 | 2,404 | 142 | 2,088 | 3,647 | 9 | 137 | 240 | 1,635 | 1 | 17 | ... | 2 | ... | 1 | 7 | 71 | 34 | 2,147 | 1,234 | 6,997 | 677 | 3,929 | 3,978 | 114 | 177 | 146 | 39 | 61 | 92 | 125 | ·3 | 1·1 |
| | East Coast Railway... | 17 | 143 | 16 | 146 | ... | 11 | ... | 21 | 128 | ... | 2 | 1 | 61 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30 | 16 | 140 | 13 | 78 | 71 | ... | 2 | 2 | 2 | 1 | 2 | 2·4 | ... | 1·2 |
| | Southern Mahratta Railway ... ... | 11 | 126 | 11 | 116 | ... | 6 | ... | 21 | 110 | ... | 3 | ... | 75 | ... | ... | ... | ... | ... | ... | ... | .. | ... | 36 | 11 | 103 | 2 | 65 | 60 | 1 | 6 | 3 | ... | 3 | 2 | 7·9 | ... | 1·6 |
| | H.H. Nizam's Guaranteed State Railway ... ... | ... | 4 | ... | 4 | ... | ... | ... | ... | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 3 | ... | 2 | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Madras Railway ... | 11 | 159 | 11 | 156 | ... | ... | ... | 1 | 169 | ... | 6 | 6 | 97 | ... | 3 | ... | ... | ... | ... | ... | 2 | ... | 43 | 11 | 150 | 5 | 69 | 93 | 2 | 1 | 6 | ... | 2 | 1 | 44·3 | ... | ·6 |
| | South Indian Railway. | 10 | 204 | 9 | 204 | ... | ... | ... | 19 | 195 | ... | 8 | 4 | 65 | ... | ... | ... | ... | ... | ... | ... | 4 | ... | 62 | 9 | 190 | ... | 85 | 128 | 1 | 3 | 8 | ... | ... | 2 | 16·4 | ... | ·9 |
| | Total ... | 49 | 636 | 47 | 626 | ... | 17 | ... | 62 | 606 | ... | 19 | 11 | 298 | ... | 3 | ... | ... | ... | ... | ... | 6 | ... | 172 | 47 | 586 | 20 | 299 | 354 | 4 | 12 | 19 | 2 | 6 | 7 | 18·3 | ·1 | 1· |
| | Grand Total ... | 3,290 | *19,589 | 3,231 | *19446 | 948 | 6,748 | 342 | 5,484 | 9,336 | 21 | 363 | 830 | 5,385 | 4 | 81 | ... | 2 | ... | 2 | 14 | 187 | 61 | 5,115 | 3,205 | 16,487 | 1,995 | 10,239 | 10,443 | 347 | 465 | 384 | 141 | 180 | 280 | 135·2 | ·4 | 1·2 |

NOTE.—This statement does not include Assistant Superintendent or officers of higher rank.

* Includes 173 private guards.

# B.—POLICE—*continued.*

(17)—*Statement showing the race and religion or caste of officers and men employed in the Police force of the Madras Presidency during the year* 1898.

| Ranges. | Districts. | Race. Europeans. District Superintendents. | Europeans. Assistant District Superintendents. | Europeans. Inspectors. | Europeans. Deputy or Sub-Inspectors or Chief Constables and Head Constables or Sergeants. | Europeans. Constables. | Eurasians. District Superintendents. | Eurasians. Assistant District Superintendents. | Eurasians. Inspectors. | Eurasians. Deputy or Sub-Inspectors or Chief Constables and Head Constables or Sergeants. | Eurasians. Constables. | Natives. District Superintendents. | Natives. Assistant District Superintendents. | Natives. Inspectors. | Natives. Deputy or Sub-Inspectors or Chief Constables and Head Constables or Sergeants. | Natives. Constables. | Religion or Caste. Officers. Christians. | Officers. Muhammadans. | Officers. Hindus. Brâhmins. | Officers. Hindus. Rajputs. | Officers. Hindus. Nâyars. | Officers. Hindus. Sikhs. | Officers. Hindus. Uriyas. | Officers. Hindus. Paraiyas. | Officers. Hindus. Tiyars. | Officers. Hindus of all other castes. | Men. Christians. | Men. Muhammadans. | Men. Hindus. Brâhmins. | Men. Hindus. Rajputs. | Men. Hindus. Nâyars. | Men. Hindus. Sikhs. | Men. Hindus. Uriyas. | Men. Hindus. Paraiyas. | Men. Hindus. Tiyars. | Men. Hindus of all other castes. | Grand Total (Officers and Men). |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| | Chief Office ... ... | 1 | 11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2 | 16 | 12 | 2 | 1 | ... | ... | ... | ... | ... | ... | ... | 1 | 7 | 1 | ... | | | | | 7 | 31 |
| | Madras City ... ... | 1 | 1 | 9 | 20 | ... | .. | ... | 6 | 12 | ... | ... | 1 | 2 | 143 | 956 | 49 | 30 | 21 | 5 | ... | ... | ... | ... | ... | 90 | 32 | 168 | 18 | 21 | | | | | 717 | *1,151 |
| Northern Range. | Dy. Inspector-General of Police, N.R. ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | .. | | | | | | |
| | Ganjám ... ... ... | 1 | 2 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 | 133 | 958 | 4 | 6 | 19 | 4 | ... | ... | 39 | 3 | ... | 80 | 12 | 32 | 12 | 11 | | 391 | 9 | | † 491 | 1,119 |
| | Vizagapatam ... ... | 1 | 2 | 2 | 1 | ... | ... | ... | 3 | ... | ... | ... | ... | 18 | 153 | 1,102 | 11 | 8 | 18 | 5 | ... | ... | 35 | ... | ... | 103 | 2 | 50 | 20 | 15 | | 271 | 2 | | 742 | 1,845 |
| | Jeypore ... ... ... | 1 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | 57 | 385 | 3 | 4 | 4 | 2 | ... | ... | ... | 3 | ... | 51 | 2 | 8 | 1 | 9 | | .. | 3 | | 80 | 467 |
| | Gódávari ... ... | 1 | 1 | 2 | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | 20 | 147 | 1,065 | 6 | 36 | 19 | 2 | ... | ... | ... | ... | ... | 110 | 1 | 267 | 25 | 20 | | | 16 | | 730 | 1,938 |
| | Kistna ... ... ... | 1 | ... | 5 | 2 | ... | ... | ... | ... | 2 | ... | ... | 1 | 13 | 120 | 954 | 10 | 23 | 13 | 4 | ... | ... | ... | ... | ... | 94 | 8 | 277 | 52 | 21 | | | | | 616 | 1,698 |
| | Total ... | 6 | 6 | 11 | 4 | ... | ... | ... | 3 | 3 | ... | ... | 1 | 77 | 610 | 4,484 | 35 | 77 | 73 | 17 | ... | ... | 75 | 6 | ... | 438 | 25 | 634 | 90 | 76 | | 662 | 30 | | 2,947 | 5,185 |
| Central Range. | Dy. Inspector-General of Police, C.R. ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | .. | ... | .. | ... | ... | ... | ... | ... | | | | | | 1 |
| | Nellore ... ... ... | 1 | ... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | 17 | 132 | 863 | 6 | 50 | 28 | 10 | ... | ... | ... | 1 | .. | 58 | 10 | 377 | 12 | 44 | | | 4 | | 416 | 1,016 |
| | Kurnool ... ... ... | 1 | 1 | 1 | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | 18 | 119 | 779 | 8 | 49 | 25 | 13 | ... | ... | ... | ... | ... | 47 | 11 | 463 | 18 | 21 | | | | | 289 | 971 |
| | Bellary ... ... ... | 1 | ... | 2 | 2 | ... | ... | ... | 2 | 1 | ... | ... | ... | 12 | 95 | 632 | 8 | 26 | 39 | 10 | ... | ... | ... | ... | ... | 32 | 3 | 309 | 22 | 34 | | | | | 264 | 747 |
| | Anantapur ... ... | 1 | ... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | 10 | 66 | 484 | 3 | 26 | 18 | 2 | ... | ... | ... | ... | ... | 30 | 2 | 282 | 13 | 9 | | | | | 178 | 565 |
| | Cuddapah ... ... | 1 | 1 | 2 | ... | ... | ... | ... | 2 | ... | 1 | ... | ... | 18 | 117 | 857 | 7 | 37 | 20 | 7 | ... | ... | ... | ... | ... | 70 | 10 | 449 | 12 | 30 | | | | | 557 | 1,620 |
| | North Arcot ... ... | 1 | 1 | 1 | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | 20 | 139 | 1,004 | 6 | 35 | 39 | 9 | ... | ... | ... | ... | ... | ‡ 74 | 8 | 289 | 37 | 27 | | | | | § 644 | 1,168 |
| | Chingleput ... ... | 1 | ... | 3 | 2 | ... | ... | ... | ... | ... | ... | ... | ... | 12 | 90 | 611 | 12 | 23 | 8 | 1 | ... | ... | ... | ... | ... | 64 | 19 | 141 | 11 | 4 | | | | | 436 | 719 |
| | South Arcot ... ... | 1 | 1 | 2 | ... | ... | ... | ... | 2 | 1 | 1 | ... | ... | 16 | 134 | 803 | 5 | 39 | 21 | 2 | ... | ... | ... | ... | ... | 87 | 14 | 212 | 20 | 15 | | .. | | | 543 | 1,461 |
| | Total ... | 9 | 4 | 13 | 5 | ... | ... | ... | 10 | 2 | 3 | ... | 1 | 123 | 892 | 6,033 | 59 | 285 | 198 | 54 | ... | ... | ... | 1 | ... | 462 | 77 | 2,519 | 145 | 184 | | | 4 | | 3,107 | 7,695 |
| Southern Range. | Dy. Inspector-General of Police, S.R. ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | 2 |
| | Tanjore ... ... ... | 1 | 1 | 1 | 2 | ... | ... | ... | ... | 1 | ... | ... | ... | 20 | 143 | 1,098 | 18 | 10 | 30 | ... | ... | ... | ... | ... | ... | 111 | 52 | 70 | 48 | 6 | | | | | 2 2 | 1,267 |
| | Trichinopoly ... ... | 1 | ... | 1 | 2 | ... | ... | ... | 1 | 2 | ... | ... | ... | 10 | 94 | 617 | 14 | 18 | 18 | 1 | ... | ... | ... | ... | ... | 60 | 22 | 140 | 19 | 6 | | | | | 4 0 | 778 |
| | Madura ... ... ... | 1 | 1 | 3 | 2 | ... | ... | ... | 1 | ... | ... | ... | ... | 21 | 159 | 1,049 | 11 | 41 | 23 | 2 | ... | ... | ... | ... | ... | 111 | 26 | 267 | 28 | 8 | | | 3 | 1 | 716 | 1,987 |
| | Tinnevelly ... ... | 1 | 1 | 1 | 1 | ... | ... | ... | 3 | ... | ... | ... | ... | 16 | 126 | 883 | 11 | 19 | 16 | 1 | ... | ... | ... | ... | ... | 102 | 62 | 97 | 14 | 1 | | ... | | | 709 | 1,962 |
| | Salem ... ... ... | 1 | 1 | 3 | 2 | ... | ... | ... | 1 | ... | 1 | ... | ... | 19 | 145 | 983 | 8 | 44 | 46 | 1 | ... | ... | ... | ... | ... | 73 | 14 | 313 | 85 | 10 | | . | ... | | 565 | 1,156 |
| | Coimbatore ... ... | 1 | ... | 3 | 1 | ... | ... | ... | .. | . | ... | 1 | ... | 17 | 122 | 746 | 7 | 18 | 41 | 8 | ... | ... | ... | 1 | ... | 70 | 21 | 111 | 32 | 27 | 2 | | | 1 | 192 | 891 |
| | The Nilgiris ... ... | ... | 1 | ... | 2 | ... | ... | ... | 1 | ... | ... | ... | ... | 2 | 20 | 158 | 5 | 3 | .. | 1 | 2 | .. | .. | 1 | 1 | 13 | 19 | 37 | 6 | 2 | 10 | | 8 | 5 | 71 | 184 |
| | Malabar ... ... ... | 1 | 3 | 3* | 6 | ... | ... | ... | 5 | 2 | ... | ... | ... | 18 | 165 | 1,278 | 26 | 27 | ... | ... | 108 | ... | ... | 39 | 3 | 29 | 157 | ... | 4 | 807 | | | | 945 | 56 | 1,481 |
| | South Canara ... ... | 1 | ... | 2 | ... | ... | ... | ... | ... | 2 | ... | ... | ... | 10 | 74 | 535 | 32 | 11 | 23 | ... | 1 | ... | ... | ... | 5 | 17 | 138 | 54 | 19 | | 8 | 9 | | 65 | 242 | 674 |
| | Total ... | 9 | 8 | 17 | 18 | ... | ... | ... | 12 | 7 | 1 | ... | 1 | 134 | 1,048 | 7,347 | 133 | 191 | 198 | 14 | 111 | ... | ... | 2 | 45 | 560 | 383 | 1,243 | 311 | 64 | 827 | | 9 | 11 | 317 | 4,183 | 8,602 |
| Railway Police. | East Coast Railway ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | 16 | 146 | ... | 3 | 1 | ... | ... | ... | ... | ... | ... | 12 | . | 21 | 1 | 3 | | | | | 121 | 162 |
| | Southern Mahratta Railway ... ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 | ... | ... | .. | 1 | 8 | 116 | 2 | .. | 1 | 1 | ... | ... | ... | ... | ... | 7 | .. | 56 | 2 | 5 | | . | | | 53 | 127 |
| | H. H. Nizam's Guaranteed State Railway ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | .. | | .. | | | | 2 | 4 |
| | Madras Railway ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 10 | 156 | 2 | 2 | 1 | 2 | ... | ... | ... | ... | ... | 4 | 10 | 37 | 9 | 8 | .. | | | | 92 | 167 |
| | South Indian Railway. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 8 | 204 | ... | ... | 3 | ... | ... | ... | ... | ... | ... | 6 | 3 | 57 | 5 | 1 | | .. | | | 138 | 213 |
| | Total ... | ... | ... | ... | 1 | ... | ... | ... | ... | 1 | ... | ... | ... | 3 | 42 | 626 | 4 | 5 | 6 | 3 | ... | ... | ... | ... | ... | 29 | 13 | 173 | 17 | 17 | | . | | | 406 | 673 |
| | Grand Total ... | 26 | 30 | 50 | 48 | ... | ... | ... | 31 | 25 | 4 | ... | 4 | 340 | 2,737 | 19,442 | 292 | 590 | 497 | 93 | 111 | ... | 75 | 9 | 45 | 1,579 | 531 | 4,744 | 582 | 362 | 827 | | 671 | 45 | 317 | 11,367 | 22,737 |

* Excludes 1 sweeper sanctioned for the merchants' magazine.

† Includes 15 Khonds.

‡ Includes 3 Jains.

§ Includes 2 Jains.

# C.—JUDICIAL STATEMENTS (CRIMINAL).

(18)—*(Civil and Criminal) Statement showing the number of judicial divisions and the number of officers exercising appellate or original jurisdiction in the province of Madras on the last day of the year* 1898, *with the cost of tribunals.*

| Province of Madras. | | Area in square miles. | Population. | Number of divisions for courts under Chief Court, but superior to Chief Courts of districts. | Number of districts. | Number of sub-districts. | Total number of officers exercising original or appellate jurisdiction: Judges of Chief Court of province. | Judges of other courts superior to Chief District Courts. | Judges of Chief Courts of districts. | Judges of District Courts other than Chief Courts. | Judges of other Subordinate Courts. | Total number of cases decided: Original. Regular. | Original. Miscellaneous. | Appeal. Regular. | Appeal. Miscellaneous. | Total receipts of the Courts. | Total charges of the Courts. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | | | | | | | | | | | | | | Rs. | Rs. |
| Territory subject to the High Court. | Civil | 141,189 | 35,630,440 | .. | 21 | 114 | 6 | .. | 20 | * 16 | †122 | 270,634 | 602,985 | 12,769 | 474 | § 64,39,927 | § 49,10,176 |
| | Criminal | | | | 22 | 737 | | | 21 | 84 | ‡578 | 312,448 | 6,002 | 11,399 | ... | | |
| | Revenue | | | | 21 | 80 | | | 21 | 67 | .. | 9,832 | 13,419 | ... | ... | | |
| Territory not subject to the High Court. | Civil | .. | ... | . | ... | . | . | .. | .. | . | .. | ... | ... | ... | ... | ... | ... |
| | Criminal | .. | . | .. | . | . | .. | ... | .. | ... | .. | ... | ... | ... | ... | ... | ... |
| | Revenue | . | .. | ... | .. | . | .. | .. | .. | .. | .. | ... | ... | ... | ... | ... | ... |
| | Total | 141,189 | 35,630,440 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

*N.B.*—This statement does not include village munsifs.

* Includes 1 Deputy Collector and Magistrate who exercised the powers of a Sub-Judge.
† Includes 1 Judge, Cantonment Court of Small Causes, 3 Judges of the Presidency Court of Small Causes, 1 City Civil Judge and 3 Revenue Officers who exercised the powers of a District Munsif.
‡ Includes 4 Presidency Magistrates.
§ Furnished by the Accountant-General.

(19)—*(Civil and Criminal)—(Supplement)—Statement showing the number of European and Native judicial officers of each grade exercising appellate or original jurisdiction in the province of Madras for the year* 1898.

| Tribunals. | Original powers. European. | Original powers. Native (including Eurasian). | Original powers. Total. | Appeal powers. European. | Appeal powers. Native (including Eurasian). | Appeal powers. Total. | Grand total. European. | Grand total. Native (including Eurasian). | Grand total. Total. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | 3 | | | 4 | | |
| High Court Judges ... ... ... ... ... ... ... | 5 | 1 | 6 | 5 | 1 | 6 | 5 | 1 | 6 |
| City Civil Court Judge ... ... ... ... ... ... | ... | 1 | 1 | ... | ... | ... | ... | 1 | 1 |
| Presidency Small Cause Judges ... ... ... ... ... | 2 | 1 | 3 | ... | ... | ... | 2 | 1 | 3 |
| District and Sessions Judges ... ... ... ... ... ... | 17 | 3 | 20 | 17 | 3 | 20 | 17 | 3 | 20 |
| Subordinate Judges ... ... ... ... ... ... ... | 1 | 14 | 15 | 1 | 14 | 15 | 1 | 14 | 15 |
| District Munsifs ... ... ... ... ... ... ... ... | ... | 114 | 114 | ... | ... | ... | ... | 114 | 114 |
| Presidency Magistrates ... ... ... ... ... ... ... | 2 | 2 | 4 | ... | ... | ... | 2 | 2 | 4 |
| Collectors and District Magistrates ... ... ... ... ... | 20 | 1 | 21 | 20 | 1 | 21 | 20 | 1 | * 21 |
| Sub-Divisional Officers and Magistrates ... ... ... ... | 35 | 49 | 84 | 35 | 49 | 84 | 35 | 49 | † 84 |
| Special Magistrates ... ... ... ... ... ... ... | 9 | 38 | 47 | ... | ... | ... | ‡ 9 | 38 | 47 |
| Other paid Magistrates ... ... ... ... ... ... ... | 16 | 454 | 470 | ... | ... | ... | 16 | 454 | § 470 |
| Benches of do. ... ... ... ... ... ... ... | 2 | 55 | 57 | ... | ... | ... | 2 | 55 | 57 |
| Total ... | 109 | 733 | 842 | 78 | 68 | 146 | 109 | 733 | 842 |

* 3 of these had also the powers of a District and Sessions Judge in the Agency Tracts and 1 had those of an additional Sessions Judge.
† Of these, 67 tried suits under the Rent Recovery Act VIII of 1865. 1 Deputy Collector exercised the powers of a Sub-Judge and 1 Head Assistant Collector and 1 Deputy Collector exercised the powers of a District Munsif and 5 were Sub-Judges in the Agency Tracts.
‡ 3 of these were Cantonment Magistrates, of whom one exercised the powers of a Small Cause Judge.
§ Of these, 22 exercised the powers of a District Munsif, 21 in the Agency Tracts and 1 at Anjengo

## C.—JUDICIAL STATEMENTS (CRIMINAL)—*continued.*

(20)—*Statement of offences reported and of persons tried, convicted and acquitted of each class of offence in the province of Madras in the year* 1898.

| Description of offence. | Number of cases. | | | | | Number of persons. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Number of offences reported. | Complaints rejected under section 203, Cr. P. C. | Cases struck off as false. | Returned as true. | Brought to trial during the year. | Under trial during the year, including pending from previous years. | Acquitted or discharged. | Convicted. | Died, escaped or transferred to another province. | Remaining under trial. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| UNDER THE INDIAN PENAL CODE. | | | | | | | | | | |
| Offences against public tranquillity, Chapter VIII | 2,329 | 119 | 84 | 2,126 | 2,239 | 17,049 | 10,803 | 5,091 | 10 | 1,136 |
| Do. by or relating to public servants, Chapter IX. | 119 | 20 | 4 | 95 | 112 | 194 | 130 | 49 | 1 | 14 |
| Contempts of the lawful authority of public servants, Chapter X. | 4,960 | 51 | 2 | 4,907 | 4,869 | 5,636 | 1,848 | 3,664 | 5 | 124 |
| False evidence and offences against public justice, Chapter XI. | 1,303 | 87 | 6 | 1,214 | 1,215 | 2,065 | 1,021 | 893 | 2 | 149 |
| Offences relating to coin and Government stamps, Chapter XII. | 120 | ... | 1 | 119 | 122 | 153 | 73 | 69 | ... | 11 |
| Do. relating to weights and measures, Chapter XIII. | 623 | 2 | 1 | 620 | 623 | 638 | 127 | 494 | ... | 17 |
| Do. affecting public health, safety, convenience, decency and morals, Chapter XIV. | 17,648 | 70 | 12 | 17,566 | 17,591 | 20,741 | 3,402 | 17,269 | 7 | 72 |
| Do. relating to religion, Chapter XV ... ... | 72 | 9 | 5 | 58 | 59 | 200 | 150 | 35 | ... | 15 |
| Offences affecting the human body, Chapter XVI. — Offences affecting life ... | 787 | 27 | 2 | 758 | 765 | 1,410 | 949 | 365 | 5 | 101 |
| Causing miscarriage, injuries to unborn children, exposure of infants, and concealment of births. | 45 | 1 | ... | 44 | 44 | 56 | 40 | 16 | ... | ... |
| Hurt ... ... ... ... | 18,577 | 934 | 263 | 17,380 | 17,026 | 45,660 | 39,923 | 5,010 | 11 | 716 |
| Wrongful restraint and wrongful confinement. | 2,197 | 435 | 52 | 1,710 | 1,741 | 4,854 | 4,172 | 486 | 1 | 195 |
| Criminal force and assault ... | 28,967 | 1,783 | 333 | 21,851 | 19,230 | 44,587 | 40,304 | 3,934 | 2 | 347 |
| Kidnapping, forcible abduction, slavery and forced labour. | 169 | 38 | 3 | 128 | 133 | 371 | 265 | 62 | 1 | 43 |
| Rape ... ... ... ... | 77 | 7 | ... | 70 | 69 | 161 | 75 | 11 | ... | 15 |
| Unnatural offences ... ... | 2 | ... | ... | 2 | 2 | 5 | 2 | 3 | ... | ... |
| Offences against property, Chapter XVII. — Theft ... ... ... ... | 18,602 | 1,745 | 627 | 16,330 | 16,789 | 37,638 | 22,000 | 14,524 | 21 | 1,088 |
| Extortion ... ... ... | 467 | 93 | 37 | 337 | 375 | 1,153 | 990 | 125 | ... | 38 |
| Robbery and dacoity ... ... | 1,235 | 168 | 26 | 1,041 | 1,080 | 4,126 | 2,964 | 899 | 8 | 255 |
| Criminal misappropriation of property. | 565 | 79 | 13 | 473 | 485 | 845 | 538 | 266 | 1 | 40 |
| Criminal breach of trust ... | 3,260 | 686 | 116 | 2,458 | 2,519 | 3,851 | 2,524 | 679 | 7 | 141 |
| Receiving stolen property ... | 548 | 6 | 1 | 541 | 558 | 692 | 237 | 434 | 1 | 20 |
| Cheating ... ... ... ... | 1,288 | 494 | 32 | 762 | 780 | 1,198 | 959 | 189 | 1 | 49 |
| Fraudulent deeds and disposition of property. | 106 | 16 | ... | 90 | 90 | 282 | 198 | 75 | ... | 9 |
| Mischief ... ... ... ... | 6,800 | 995 | 119 | 5,686 | 5,737 | 16,248 | 13,523 | 2,202 | 7 | 516 |
| Criminal trespass ... ... | 10,246 | 1,269 | 190 | 8,787 | 8,873 | 21,815 | 16,068 | 5,216 | 11 | 520 |
| Offences relating to documents and to trade or property marks, Chapter XVIII. | 284 | 45 | ... | 239 | 242 | 634 | 484 | 60 | 1 | 89 |
| Criminal breach of contract of service, Chapter XIX. | 10 | 4 | ... | 6 | 6 | 6 | 3 | 3 | ... | ... |
| Offences relating to marriage, Chapter XX ... ... | 1,131 | 139 | 19 | 973 | 956 | 1,963 | 1,760 | 142 | 2 | 59 |
| Defamation, Chapter XXI ... ... ... | 690 | 125 | 8 | 557 | 515 | 1,172 | 1,023 | 106 | 2 | 41 |
| Criminal intimidation, insult and annoyance, Chapter XXII. | 8,195 | 689 | 115 | 7,391 | 7,108 | 14,141 | 12,649 | 1,377 | 7 | 108 |
| Others under Special and Local Laws ... ... ... | 204,212 | 451 | 80 | 203,681 | 201,105 | 231,155 | 36,988 | 192,968 | 96 | 1,103 |
| Grand Total ... | 330,634 | 10,583 | 2,051 | 318,000 | 313,088 | 480,125 | 216,187 | 256,697 | 210 | 7,031 |

(21)—*Statement of miscellaneous proceedings under the Criminal Procedure Code in the province of Madras in the year* 1898.

| Nature of proceedings. | Total number of cases before the Courts during the year. | Number of persons concerned. | Number of persons discharged. | Number of persons convicted. |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| 1. Proceedings against witnesses under Chapters VI and XXXV ... | 8 | 9 | 5 | 4 |
| 2. Proceedings under Chapter VIII to prevent breach of the peace ... | 91 | 448 | 359 | 78 |
| 3. Proceedings under Chapter VIII, security for good behaviour ... | 295 | 513 | 166 | 304 |
| 4. Proceedings against local nuisances—Chapter X ... ... ... ... | 122 | 383 | 104 | 2 |
| 5. Possession—Chapter XII ... ... ... ... ... ... ... ... | 94 | 422 | 111 | 99 |
| 6. Frivolous or vexatious complaints summarily dealt with under Chapter XX, Section 250. | 1,921 | 1,939 | 6 | 1,933 |
| 7. Non-attendance of Jurors or Assessors—Chapter XXIII ... ... | 24 | 24 | 10 | 14 |
| 8. Maintenance—Chapter XXXVI ... ... ... ... ... | 2,299 | 2,299 | 646 | 863 |
| 9. Forfeiture of bail or recognizance under Chapter XLII ... ... | 1,286 | 1,551 | 168 | 1,325 |
| Total ... | 6,140 | 7,568 | 1,575 | 4,622 |

## C.—JUDICIAL STATEMENTS (CRIMINAL)—*continued.*

(22)—*Statement showing the general result of criminal trials in the tribunals of various classes in the province of Madras in the year* 1898.

| Class of Courts. | Total number of persons under trial. | Persons whose cases were disposed of. | | | | | Persons remaining under trial at the end of the year. | Number of cases disposed of during the year. | Average number of days during which each case lasted. | Number of witnesses examined. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Died, escaped or transferred to another province. | Discharged or acquitted. | Convicted. | | Committed or referred. | | | | |
| | | | | On regular trial. | On summary trial. | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 11 |
| Village Officers ... ... ... ... ... | 18,389 | ... | 9,620 | 8,261 | ... | ... | 508 | 11,731 | ... | ... |
| Subordinate Magistrates. Special Magistrates under Section 14, Cr.P.C. | 5,729 | ... | 1,386 | 3,928 | 398 | 8 | 9 | 4,795 | 3 | 5,285 |
| Subordinate Magistrates. Honorary Magistrates sitting singly. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Subordinate Magistrates. Stipendiary Magistrates sitting singly. | 331,068 | 152 | 191,113 | 127,472 | 281 | 5,286 | 6,764 | 174,606 | 7 | 357,056 |
| Subordinate Magistrates. Benches of Magistrates ... | 77,413 | 53 | 13,171 | 221 | 63,805 | ... | 163 | 72,859 | 1 | 36,387 |
| District and Divisional Magistrates—Cases referred under Sections 347 and 349, Cr.P.C. | 1,415 | 1 | 227 | 1,114 | ... | 48 | 25 | 869 | 6 | 1,644 |
| Chief Magistrates of Districts ... ... ... | 189 | ... | 80 | 48 | 8 | 32 | 21 | 54 | 30 | 359 |
| Presidency Magistrates ... ... ... ... | 66,596 | ... | 8,349 | 122 | 57,987 | 45 | 22 | 57,875 | 1 | 13,704 |
| Courts of Session ... ... ... ... ... | 3,327 | 4 | 1,852 | 1,277 | ... | 177 | 17 | 1,253 | 34 | 12,000 |
| Superior Court. Original Jurisdiction ... ... | 54 | ... | 9 | 36 | ... | ... | 9 | 37 | 23 | 303 |
| Superior Court. Under Section 307, Cr.P.C. ... | 79 | ... | 50 | 21 | ... | ... | 8 | 22 | ... | ... |
| Superior Court. Under Section 374, Cr.P.C. ... | 109 | ... | 17 | 79 | ... | ... | 13 | 78 | ... | ... |
| Total ... | 504,298 | 210 | 225,874 | 142,579 | 122,479 | 5,596 | 7,560 | 324,179 | ... | 426,738 |

# C.—JUDICIAL STATEMENTS (CRIMINAL)—*continued.*

(23)—*Statement showing the punishments inflicted by the various criminal tribunals in the province of Madras in the year* 1898.

| Class of tribunals. | Persons sentenced to | | | | | | | | | | Details of punishment. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Imprisonment. | | | | | | | Fine. | | | | | | | | | Imprisonment. | | | | Whipping. | | | |
| | Death. | Transportation. | Penal servitude. | Rigorous. | Simple. | Forfeiture of property. | Fine. | Whipping. | Persons ordered to find or give security or recognizance to keep the peace, or sureties for good behaviour. | Persons imprisoned in default of security for good behaviour. | Rs. 10 and under. | Rs. 50 and under. | Rs. 100 and under. | Rs. 500 and under. | Rs. 1,000 and under. | Above Rs. 1,000. | Total amount of fines imposed during the year. | Total amount of fines realized during the year. | Amount paid by way of compensation. | 15 days and under. | 6 months and under. | 2 years and under. | 7 years and under. | Above 7 years. | 10 stripes and under. | 20 stripes and under. | 30 stripes and under. | Number of boys whose cases were commuted to detention in a Reformatory School. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| | | | | | | | | | | | | | | | | | Rs. | Rs. | Rs. | | | | | | | | |
| Village Officers ... ... ... | ... | ... | ... | ... | * 8,261 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| Subordinate Magistrates. Special Magistrates under Section 14, Cr.P.C. | ... | ... | ... | 252 | 45 | ... | 4,046 | 19 | 1 | ... | 4,009 | 37 | ... | ... | ... | ... | 6,038 | 5,375 | 66 | 192 | 105 | ... | ... | | 5 | 11 | 3 | 1 |
| Honorary Magistrates sitting singly. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... | ... | ... |
| Stipendiary Magistrates sitting singly. | ... | ... | ... | 20,750 | 1,772 | ... | 104,414 | 3,390 | 352 | 247 | 90,819 | 12,801 | 559 | 229 | 5 | 1 | 7,10,586 | 6,01,777 | 28,697 | 7,311 | 14,545 | 501 | 12 | | 505 | 1,954 | 931 | 9 |
| Benches of Magistrates ... | ... | ... | ... | 412 | 365 | ... | 63,170 | ... | ... | ... | 63,088 | 82 | ... | ... | ... | ... | 48,720 | 42,750 | 274 | 769 | 8 | . | . | | .. | . | . | |
| District and Divisional Magistrates—Cases referred under Sections 347 and 349, Cr.P.C. | ... | ... | ... | 1,043 | 5 | ... | 82 | 188 | 3 | ... | 10 | 63 | 2 | 6 | 1 | ... | 4,945 | 1,786 | .. | 4 | 247 | 790 | 7 | . | 2 | 68 | 118 | .. |
| Chief Magistrates of Districts ... | ... | ... | ... | 13 | 6 | ... | 19 | ... | 23 | ... | 8 | 7 | ... | 4 | ... | ... | 1,596 | 396 | . . | 3 | 10 | 6 | .. | | | .. | | 4 |
| Presidency Magistrates ... ... | ... | ... | ... | 1,695 | 222 | ... | 55,778 | 360 | ... | ... | 55,333 | 399 | 27 | 15 | 4 | ... | 65,876 | 54,558 | 4,157 | 919 | 585 | 113 | . | . | 125 | 225 | 10 | 7 |
| Courts of Session ... ... ... | ... | 135 | ... | 1,093 | 24 | ... | 86 | 19 | 3 | 3 | 4 | 38 | 15 | 25 | 4 | ... | 13,370 | 6,400 | 399 | 11 | 146 | 259 | 665 | 39 | . | 4 | 15 | |
| Superior Court. Original Jurisdiction. | 1 | 1 | ... | 34 | ... | ... | 3 | 1 | ... | ... | ... | ... | ... | ... | 2 | 1 | 7,000 | 5,000 | 5,000 | . | 4 | 8 | 21 | 1 | | | 1 | |
| Under Section 307, Cr.P.C. | ... | ... | ... | 21 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | ... | 2 | 5 | 14 | ... | | | | . |
| Under Section 374, Cr.P.C. | 62 | 17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | | . | | | | . | |
| Total ... | 63 | 153 | ... | 25,313 | 10,700 | ... | 2,27,598 | 3,977 | † 382 | ‡ 250 | 2,13,271 | 13,427 | 603 | 279 | 16 | 2 | 8,56,131 | 7,18,042 | 38,593 | 9,209 | 15,952 | 2,082 | 719 | 40 | 637 | 2,262 | 1,078 | 21 |

* Of these, 2,397 persons were confined in stocks.
† Of these, 6 persons were ordered under Section 106, Cr.P.C., to furnish securities in addition to other punishments.
‡ Of these, 17 were sentenced to simple imprisonment.

## C.—JUDICIAL STATEMENTS (CRIMINAL)—*continued.*

(24)—*Statement showing the result of appeal and revision in criminal cases in the province of Madras in the year* 1898.

| Tribunals. | Number of persons. | | | | | | | | | | | Average number of days during which each appeal lasted. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total number of appellants and applicants for revision before the courts. | Died, escaped or transferred to another province. | Appeals or applications rejected. | Sentence or order confirmed. | Sentence enhanced. | Sentence reduced or otherwise altered. | Sentence reversed. | Proceedings quashed. | New trial or further inquiry ordered. | Referred for revision to the High Court. | Pending trial. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Appeals.* | | | | | | | | | | | | |
| To Chief Magistrates of Districts * ... ... | 18,349 | 3 | 2,721 | 8,370 | ... | 1,571 | 4,646 | 74 | 190 | 1 | 773 | 21 |
| To Courts of Session ... ... ... ... ... | 2,230 | 1 | 679 | 887 | ... | 174 | 316 | ... | 23 | ... | 150 | 26 |
| To Superior Courts † by persons convicted ... | 1,196 | ... | 648 | 314 | 4 | 71 | 60 | ... | 3 | ... | 96 | 33 |
| To Superior Courts † by Government from judgments of acquittal. | 112 | ... | 2 | 21 | ... | ... | 38 | ... | 18 | ... | 33 | 33 |
| Total ... | 21,887 | 4 | 4,050 | 9,592 | 4 | 1,816 | 5,060 | 74 | 234 | 1 | 1,052 | ... |
| *Revision.* | | | | | | | | | | | | |
| By Chief Magistrates of Districts ... ... ... | 2,659 | ... | 1,025 | 843 | ... | ... | ... | 16 | 536 | 174 | 65 | 19 |
| By Courts of Session ... ... ... ... ... | 1,690 | ... | 914 | 289 | ... | ... | ... | 28 | 229 | 104 | 126 | 29 |
| By Superior Court ... ... ... ... ... | 1,212 | ... | 526 | 309 | 37 | 64 | ... | 109 | 64 | ... | 103 | ... |
| Total ... | 5,561 | ... | 2,465 | 1,441 | 37 | 64 | ... | 153 | 829 | 278 | 294 | ... |
| Grand Total ... | 27,448 | 4 | 6,515 | 11,033 | 41 | 1,880 | 5,060 | 227 | 1,063 | 279 | 1,346 | ... |

NOTE.—Persons in cases taken up for revision of the Courts' own motion are also included.

* Or other Magistrates authorized to hear appeals under Section 407, Cr.P.C.

† Persons concerned in cases under Sections 307 and 374, Cr.P.C., are excluded, as they are separately shown in Statement No. 22.

## C.--JUDICIAL STATEMENTS (CRIMINAL)—*continued.*

(25)—*Statement showing use of juries and assessors in criminal courts in the province of Madras in the year* 1898.

| Classes of courts in which jurors or assessors are employed. | | Established or average number of jury or assessors in each case, and prescribed qualifications. | Number of accused persons in jury trials. | | | | Number of accused persons in trials with assessors. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Tried. | As to whom the Judge | | | Tried. | As to whom the Judge | | | |
| | | | | Approved verdict. | Did not approve of verdict. | Made reference under Section 307, Criminal Procedure Code. | | Agreed with all the assessors. | Differed from one or more but not from all the assessors. | Differed from all the assessors. | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Magistrates' Courts under Chapter X, Criminal Procedure Code. | Jurors .. | 5 | ... | ... | | .. | . | .. | . | .. | |
| Courts of Session. | Jurors ... | *5 | 1,397 | 1,311 | 72 | 70 | . | . | ... | ... | Offences of theft, robbery, receiving and concealing stolen property, house trespass and dishonestly breaking open a closed receptacle and abetment of the above offences were tried by jury in all districts except the Agencies of Ganjám, Gódávari and Vizagapatam, and all other offences with the aid of assessors. All Sessions trials before the High Court were by jury. |
| | Assessors. | *2 | ... | ... | ... | ... | 1,632 | 1,101 | 207 | 324 | |
| High Court, Original Criminal Jurisdiction. | Jurors ... | 9 | 35 | 35 | ... | .. | . | | . | ... | |
| | Total ... | ... | 1,432 | 1,346 | 72 | 70 | 1,632 | 1,101 | 207 | 324 | |

* Qualifications as prescribed in Sections 319 and 320 of the Code of Criminal Procedure (Act V of 1898).

D.—

(26)—*Statement showing the distribution of the prisoners of all classes confined in*

| 1 | 2 | 3 | 4 | | | 5 | | | 6 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Station. | Place of confinement. | Classes of prisoners. | Remained at the commencement of the year. | | | Received during the year. | | | Total. | | |
| | | | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. |
| Rajahmundry. | Central Jail | Convicts ... ... | 1,082 | 40 | 1,122 | 892 | 106 | 998 | 1,974 | 146 | 2,120 |
| | | Under-trial ... | 1 | 2 | 3 | 49 | 7 | 56 | 50 | 9 | 59 |
| | | Civil ... ... | 11 | ... | 11 | 74 | ... | 74 | 85 | ... | 85 |
| Vellore | Do. | Convicts ... ... | 1,119 | 59 | 1,178 | 1,781 | 152 | 1,933 | 2,900 | 211 | 3,111 |
| | | Under-trial ... | ... | ... | ... | 5 | ... | 5 | 5 | ... | 5 |
| | | Civil ... ... | 9 | ... | 9 | 62 | ... | 62 | 71 | ... | 71 |
| Trichinopoly .. | Do. | Convicts ... ... | 803 | ... | 803 | 1,371 | ... | 1,371 | 2,174 | ... | 2,174 |
| | | Under-trial ... | ... | ... | ... | 26 | ... | 26 | 26 | ... | 26 |
| | | Civil ... ... | 12 | ... | 12 | 78 | ... | 78 | 90 | ... | 90 |
| Coimbatore ... | Do. | Convicts ... ... | 857 | ... | 857 | 1,460 | 8 | 1,468 | 2,317 | 8 | 2,325 |
| | | Under-trial ... | 24 | 1 | 25 | 512 | 24 | 536 | 536 | 25 | 561 |
| | | Civil ... ... | 21 | ... | 21 | 188 | ... | 188 | 209 | ... | 209 |
| Cannanore .. | Do. | Convicts ... ... | 703 | 7 | 710 | 1,806 | 34 | 1,840 | 2,509 | 41 | 2,550 |
| | | Under-trial ... | ... | ... | ... | 1 | ... | 1 | 1 | ... | 1 |
| | | Civil ... ... | 20 | ... | 20 | 110 | ... | 110 | 130 | ... | 130 |
| Salem ... | Do. | Convicts ... ... | 534 | ... | 534 | 924 | ... | 924 | 1,458 | ... | 1,458 |
| | | Under-trial ... | 16 | ... | 16 | 331 | ... | 331 | 347 | ... | 347 |
| | | Civil ... ... | 6 | ... | 6 | 29 | ... | 29 | 35 | ... | 35 |
| Madras ... | Do. | Convicts ... ... | 821 | 35 | 856 | 3,788 | 348 | 4,136 | 4,609 | 383 | 4,992 |
| | | Under-trial ... | 10 | 3 | 13 | 216 | 11 | 227 | 226 | 14 | 240 |
| | | Civil ... ... | 1 | ... | 1 | 5 | ... | 5 | 6 | ... | 6 |
| Russellkonda... | Hill Jail | Convicts ... ... | 122 | ... | 122 | 265 | ... | 265 | 387 | ... | 387 |
| | | Under-trial ... | 2 | ... | 2 | 116 | 2 | 118 | 118 | 2 | 120 |
| | | Civil ... ... | ... | ... | ... | 2 | ... | 2 | 2 | ... | 2 |
| Berhampur ... | District Jail | Convicts ... ... | 106 | 1 | 107 | 691 | 54 | 745 | 797 | 55 | 852 |
| | | Under-trial ... | 1 | ... | 1 | 229 | 7 | 236 | 230 | 7 | 237 |
| | | Civil ... ... | 2 | ... | 2 | 11 | ... | 11 | 13 | ... | 13 |
| Vizagapatam ... | Do. | Convicts ... ... | 293 | ... | 293 | 1,340 | 11 | 1,351 | 1,633 | 11 | 1,644 |
| | | Under-trial ... | 7 | 1 | 8 | 163 | 17 | 180 | 170 | 18 | 188 |
| | | Civil ... ... | 1 | ... | 1 | ... | ... | ... | 1 | ... | 1 |
| Nellore ... | Do. | Convicts ... ... | 127 | 6 | 133 | 654 | 12 | 666 | 781 | 18 | 799 |
| | | Under-trial ... | 3 | ... | 3 | 203 | 14 | 217 | 206 | 14 | 220 |
| | | Civil ... ... | 1 | ... | 1 | 8 | ... | 8 | 9 | ... | 9 |
| Bellary ... | Do. | Convicts ... ... | 300 | 18 | 318 | 1,231 | 79 | 1,310 | 1,531 | 97 | 1,628 |
| | | Under-trial ... | 28 | 3 | 26 | 421 | 15 | 436 | 444 | 18 | 462 |
| | | Civil ... ... | 10 | ... | 10 | 33 | ... | 33 | 43 | ... | 43 |
| Cuddalore ... | Do. | Convicts ... ... | 370 | 7 | 377 | 1,276 | 62 | 1,238 | 1,646 | 69 | 1,715 |
| | | Under-trial ... | 3 | ... | 3 | 90 | 7 | 97 | 93 | 7 | 100 |
| | | Civil ... ... | 6 | ... | 6 | 49 | ... | 49 | 55 | ... | 55 |
| Tanjore ... | Do. | Convicts ... ... | 292 | ... | 292 | 893 | ... | 893 | 1,185 | ... | 1,185 |
| | | Under-trial ... | 11 | ... | 11 | 146 | ... | 146 | 157 | ... | 157 |
| | | Civil ... ... | 25 | ... | 25 | 198 | ... | 198 | 223 | ... | 223 |
| Madura ... | Do. | Convicts ... ... | 277 | 21 | 298 | 1,191 | 47 | 1,238 | 1,468 | 68 | 1,536 |
| | | Under-trial ... | 37 | ... | 37 | 577 | 12 | 589 | 614 | 12 | 626 |
| | | Civil ... ... | 22 | ... | 22 | 108 | ... | 108 | 130 | ... | 130 |
| Palamcottah ... | Do. | Convicts ... ... | 327 | ... | 327 | 759 | ... | 759 | 1,086 | ... | 1,086 |
| | | Under-trial ... | 5 | ... | 5 | 254 | ... | 254 | 259 | ... | 259 |
| | | Civil ... ... | 18 | ... | 18 | 96 | ... | 96 | 114 | .. | 114 |
| Mangalore ... | Do. | Convicts ... ... | 111 | 2 | 113 | 703 | 90 | 793 | 814 | 92 | 906 |
| | | Under-trial ... | 7 | ... | 7 | 230 | 13 | 243 | 237 | 13 | 250 |
| | | Civil ... ... | 14 | ... | 14 | 73 | ... | 73 | 87 | ... | 87 |
| Guntur ... | Do. | Convicts ... ... | ... | ... | ... | 716 | 27 | 743 | 716 | 27 | 743 |
| | | Under-trial ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Civil ... ... | ... | ... | ... | 2 | ... | 2 | 2 | ... | 2 |
| Total, Central and District Jails. | | Convicts ... ... | 8,244 | 196 | 8,440 | 21,741 | 1,030 | 22,771 | 29,985 | 1,226 | 31,211 |
| | | Under-trial ... | 150 | 10 | 160 | 3,569 | 129 | 3,698 | 3,719 | 139 | 3,858 |
| | | Civil ... ... | 179 | ... | 179 | 1,126 | ... | 1,126 | 1,305 | ... | 1,305 |
| | | Total ... | 8,573 | 206 | 8,779 | 26,436 | 1,159 | 27,595 | 35,009 | 1,365 | 36,374 |
| Madras .. | Criminal Leper Ward. | Convicts ... ... | 16 | ... | 16 | 21 | ... | 21 | 37 | ... | 37 |
| Madras ... | Civil Jail . .. | Civil ... ... | 38 | ... | 38 | 486 | ... | 486 | 524 | ... | 524 |
| Subsidiary Jails | ... ... ... | Convicts ... ... | 475 | 21 | 496 | 32,137 | 2,700 | 34,837 | 32,612 | 2,721 | 35,333 |
| | | Under-trial ... | 1,335 | 38 | 1,373 | 30,208 | 1,044 | 31,252 | 31,543 | 1,082 | 32,625 |
| | | Civil ... ... | 8 | ... | 8 | 90 | 1 | 91 | 98 | 1 | 99 |
| | | Total ... | 1,818 | 59 | 1,877 | 62,435 | 3,745 | 66,180 | 64,253 | 3,804 | 68,057 |
| Grand Total ... | | Convicts ... ... | 8,735 | 217 | 8,952 | 53,899 | 3,730 | 57,629 | 62,634 | 3,947 | 66,581 |
| | | Under-trial ... | 1,485 | 48 | 1,533 | 33,777 | 1,173 | 34,950 | 35,262 | 1,221 | 36,483 |
| | | Civil ... ... | 225 | ... | 225 | 1,702 | 1 | 1,703 | 1,927 | 1 | 1,928 |
| | | Total of all ... | 10,445 | 265 | 10,710 | 89,378 | 4,904 | 94,282 | 99,823 | 5,169 | 104,992 |

# PRISONS.

*the jails and subsidiary jails of the Madras Presidency during the year* 1898.

| 7 | | | 8 | | | 9 | | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Discharged from all causes. | | | Remaining at end of the year. | | | Daily average number of each class. | | | Total daily average of whole jail. | | |
| M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. |
| 1,589 | 130 | 1,719 | 385 | 16 | 401 | 469·30 | 22·06 | 491·36 | 479·89 | 22·33 | 502·22 |
| 50 | 9 | 59 | .. | . | . | 1·59 | ·27 | 1·86 | | | |
| 77 | . | 77 | 8 | . | 8 | 9·00 | | 9·00 | | | |
| 1,746 | 139 | 1,885 | 1,154 | 72 | 1,226 | 1,060·69 | 68·20 | 1,128·89 | 1,060·76 | 68·20 | 1,127·96 |
| 5 | . | 5 | ... | | | ·45 | | ·45 | | | |
| 59 | | 59 | 12 | ... | 12 | 8·62 | ... | 8·62 | | | |
| 1,087 | | 1,087 | 1,087 | | 1,087 | 1,052·55 | | 1,052·55 | 1,062·53 | . . | 1062·53 |
| 25 | . | 25 | 1 | .. | 1 | ·57 | . | ·57 | | | |
| 84 | . . | 84 | 6 | . . | 6 | 9·41 | | 9·41 | | | |
| 1,230 | 8 | 1,238 | 1,087 | ... | 1,087 | 895·46 | ·56 | 896·02 | 946·99 | 1·74 | 948·73 |
| 506 | 25 | 531 | 30 | ... | 30 | 35·56 | 1·18 | 36·74 | | | |
| 189 | .. | 189 | 20 | ... | 20 | 15·97 | . | 15·97 | | | |
| 1,732 | 28 | 1,760 | 777 | 13 | 790 | 735·34 | 10·89 | 746·23 | 749·64 | 10·89 | 760·53 |
| 1 | ... | 1 | ... | ... | ... | ·04 | . . | ·04 | | | |
| 113 | ... | 113 | 17 | .. | 17 | 14·26 | ... | 14·26 | | | |
| 900 | ... | 900 | 558 | ... | 558 | 554·91 | ... | 554·91 | 587·95 | ... | 587·95 |
| 322 | ... | 322 | 25 | ... | 25 | 30·25 | ... | 30·25 | | | |
| 25 | ... | 25 | 10 | ... | 10 | 2·79 | ... | 2·79 | | | |
| 3,810 | 339 | 4,179 | 769 | 44 | 813 | 823·65 | 33·37 | 857·02 | 835·95 | 33·77 | 869·72 |
| 213 | 13 | 226 | 13 | 1 | 14 | 9·62 | ·40 | 10·02 | | | |
| 5 | ... | 5 | 1 | ... | 1 | 2·68 | ... | 2·68 | | | |
| 257 | ... | 257 | 130 | ... | 130 | 80·61 | ... | 80·61 | 84·97 | ·04 | 85·01 |
| 117 | 2 | 119 | 1 | ... | 1 | 4·24 | ·04 | 4·28 | | | |
| ... | ... | ... | 2 | ... | 2 | ·12 | ... | ·12 | | | |
| 687 | 46 | 733 | 110 | 9 | 119 | 136·50 | 5·46 | 141·96 | 146·71 | 5·69 | 152·40 |
| 224 | 6 | 230 | 6 | 1 | 7 | 7·97 | ·23 | 8·20 | | | |
| 6 | ... | 6 | 7 | ... | 7 | 2·24 | ... | 2·24 | | | |
| 1,271 | 11 | 1,282 | 362 | ... | 362 | 396·88 | ·42 | 397·30 | 404·68 | 1·35 | 406·03 |
| 168 | 18 | 186 | 2 | ... | 2 | 6·80 | ·93 | 7·73 | | | |
| ... | ... | ... | 1 | ... | 1 | 1·00 | ... | 1·00 | | | |
| 607 | 16 | 623 | 174 | 2 | 176 | 159·35 | 2·78 | 162·13 | 172·53 | 3·30 | 175·83 |
| 197 | 13 | 210 | 9 | 1 | 10 | 11·94 | ·52 | 12·46 | | | |
| 8 | ... | 8 | 1 | ... | 1 | 1·24 | ... | 1·24 | | | |
| 1,223 | 83 | 1,306 | 308 | 14 | 322 | 299·26 | 18·89 | 318·15 | 340·66 | 20·32 | 360·98 |
| 424 | 17 | 441 | 20 | 1 | 21 | 36·06 | 1·43 | 37·49 | | | |
| 37 | ... | 37 | 6 | ... | 6 | 5·34 | ... | 5·34 | | | |
| 1,330 | 69 | 1,399 | 316 | ... | 316 | 356·65 | 9·42 | 366·07 | 367·73 | 9·80 | 377·53 |
| 92 | 6 | 98 | 1 | 1 | 2 | 5·40 | ·38 | 5·78 | | | |
| 48 | ... | 48 | 7 | ... | 7 | 5·68 | ... | 5·68 | | | |
| 845 | ... | 845 | 340 | ... | 340 | 307·97 | ... | 307·97 | 346·22 | ... | 346·22 |
| 155 | ... | 155 | 2 | ... | 2 | 11·04 | ... | 11·04 | | | |
| 188 | ... | 188 | 35 | ... | 35 | 27·21 | ... | 27·21 | | | |
| 1,113 | 54 | 1,167 | 355 | 14 | 369 | 303·77 | 14·48 | 318·25 | 356·69 | 15·10 | 371·79 |
| 586 | 11 | 597 | 28 | 1 | 29 | 34·87 | ·62 | 35·49 | | | |
| 109 | ... | 109 | 21 | ... | 21 | 18·05 | ... | 18·05 | | | |
| 764 | ... | 764 | 322 | ... | 322 | 305·76 | ... | 305·76 | 340·71 | ... | 340·71 |
| 234 | ... | 234 | 25 | ... | 25 | 18·77 | ... | 18·77 | | | |
| 91 | ... | 91 | 23 | ... | 23 | 16·18 | ... | 16·18 | | | |
| 724 | 90 | 814 | 90 | 2 | 92 | 140·01 | 7·62 | 147·63 | 161·16 | 8·02 | 169·18 |
| 227 | 12 | 239 | 10 | 1 | 11 | 12·75 | ·40 | 13·15 | | | |
| 70 | ... | 70 | 17 | ... | 17 | 8·40 | ... | 8·40 | | | |
| 518 | 18 | 536 | 198 | 9 | 207 | 123·21 | 5·67 | 128·88 | 123·41 | 5·67 | 129·08 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| 1 | ... | 1 | 1 | ... | 1 | ·20 | ... | ·20 | | | |
| 21,463 | 1,031 | 22,494 | 8,522 | 195 | 8,717 | 8,231·87 | 199·82 | 8,431·69 | 8,608·18 | 206·22 | 8,814·40 |
| 3,546 | 132 | 3,678 | 173 | 7 | 180 | 227·92 | 6·40 | 234·32 | | | |
| 1,110 | ... | 1,110 | 195 | ... | 195 | 148·39 | ... | 148·39 | | | |
| 26,119 | 1,163 | 27,282 | 8,890 | 202 | 9,092 | 8,608·18 | 206·22 | 8,814·40 | | | |
| 22 | ... | 22 | 15 | ... | 15 | 15·76 | ... | 15·76 | 15·76 | ... | 15·76 |
| 484 | ... | 484 | 40 | ... | 40 | 28·07 | ... | 28·07 | 28·07 | ... | 28·07 |
| 32,252 | 2,706 | 34,958 | 360 | 15 | 375 | 648·70 | 54·18 | 702·88 | 1,988·50 | 89·69 | 2,078·19 |
| 30,365 | 1,056 | 31,421 | 1,178 | 26 | 1,204 | 1,329·64 | 35·49 | 1,365·13 | | | |
| 89 | 1 | 90 | 9 | ... | 9 | 10·16 | ·02 | 10·18 | | | |
| 62,706 | 3,763 | 66,469 | 1,547 | 41 | 1,588 | 1,988·50 | 89·69 | 2,078·19 | | | |
| 53,737 | 3,737 | 57,474 | 8,897 | 210 | 9,107 | 8,896·33 | 254·00 | 9,150·33 | 10,640·51 | 295·91 | 10,936·42 |
| 33,911 | 1,188 | 35,099 | 1,351 | 33 | 1,384 | 1,557·56 | 41·89 | 1,599·45 | | | |
| 1,683 | 1 | 1,684 | 244 | ... | 244 | 186·62 | ·02 | 186·64 | | | |
| 89,331 | 4,926 | 94,257 | 10,492 | 243 | 10,735 | 10,640·51 | 295·91 | 10,936·42 | | | |

## D.—PRISONS—*continued.*

(27)—*Statement showing the number and disposal of the convicts in the jails and subsidiary jails of the Madras Presidency during the year* 1898.

| 1 | 2 | 3 | | 4 | | 5 | | 6 | | | | | | | | | | 7 | | | 8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Received by transfer. | | | | | | | | | | | | | Transferred to other jails. | | | |
| | | | | | | | | A. | | | | | | B. | | | | | | | A. | | B. | |
| | | | | | | | | To undergo sentence. | | | | | | In transit for transportation or to other jails. | | | | | | | | | | |
| Serial number. | Jails. | Remained at the close of the previous year. | | Imprisoned during the present year (1898). | | Total. | | From jails in the province. | | From subsidiary jails to district jails in the province. | | From jails outside the province. | | From jails in the province. | | From jails outside the province. | | Grand Total. | | | To undergo sentence. | | For transportation beyond seas, &c. | |
| | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. | M. | F. | M. | F. |
| | *Central Jails.* | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Rajahmundry ... ... ... | 1,082 | 40 | 583 | 94 | 1,665 | 134 | 309 | 12 | . | | | ... | ... | ... | | | 1,974 | 146 | 2,120 | 461 | 25 | 2 | 1 |
| 2 | Vellore ... ... ... ... | 1,119 | 59 | 1,513 | 133 | 2,632 | 192 | 259 | 17 | . | | 9 | 2 | .. | ... | . | ... | 2,900 | 211 | 3,111 | 131 | 4 | 7 | 2 |
| 3 | Trichinopoly ... ... .. | 803 | ... | 560 | ... | 1,363 | ... | 811 | . | . | | .. | ... | . | . | .. | | 2,174 | | 2,174 | 86 | | 3 | |
| 4 | Coimbatore ... ... ... | 857 | ... | 980 | 7 | 1,837 | 7 | 480 | ... | ... | .. | .. | ... | .. | 1 | .. | .. | 2,317 | 8 | 2,325 | 96 | 1 | 8 | |
| 5 | Cannanore ... ... .. | 703 | 7 | 1,687 | 31 | 2,390 | 38 | 106 | 3 | 13 | | . | | . | .. | | | 2,509 | 41 | 2,550 | 80 | | 17 | |
| 6 | Salem ... ... ... ... | 534 | ... | 654 | ... | 1,188 | ... | 270 | . | .. | . | ... | . | ... | . | .. | .. | 1,458 | .. | 1,458 | 60 | | 4 | |
| 7 | Penitentiary .. ... ... | 821 | 35 | 3,477 | 305 | 4,298 | 340 | 228 | 39 | ... | ... | 1 | ... | 79 | 4 | 3 | .. | 4,609 | 383 | 4,992 | 133 | 8 | | |
| | Total ... | 5,919 | 141 | 9,454 | 570 | 15,373 | 711 | 2,463 | 71 | 13 | ... | 10 | 2 | 79 | 5 | 3 | .. | 17,941 | 789 | 18,730 | 1,057 | 33 | 41 | 3 |
| | *District Jails.* | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... ... | 122 | ... | 185 | ... | 307 | ... | 80 | .. | ... | ... | ... | ... | | | | .. | 387 | . | 387 | . | | | ... |
| 9 | Berhampur ... ... ... | 106 | 1 | 658 | 40 | 764 | 41 | 32 | 14 | ... | ... | 1 | ... | .. | . | | | 797 | 55 | 852 | 93 | | 3 | . |
| 10 | Vizagapatam .. ... ... | 293 | .. | 1,195 | 11 | 1,488 | 11 | 145 | ... | .. | ... | ... | ... | ... | .. | | ... | 1,633 | 11 | 1,644 | 266 | 9 | | |
| 11 | Nellore ... ... ... ... | 127 | 6 | 582 | 12 | 709 | 18 | 72 | ... | | ... | | . | . | | . | ... | 781 | 18 | 799 | 113 | 2 | 2 | |
| 12 | Bellary ... ... ... ... | 300 | 18 | 1,198 | 74 | 1,498 | 92 | 33 | 5 | . | ... | .. | . | ... | | . | | 1,531 | 97 | 1,628 | 318 | 18 | 12 | |
| 13 | Cuddalore ... ... ... ... | 370 | 7 | 1,238 | 62 | 1,608 | 69 | 38 | .. | . | .. | ... | ... | ... | | ... | | 1,646 | 69 | 1,715 | 278 | 24 | 4 | .. |
| 14 | Tanjore ... .. .. ... | 292 | ... | 852 | ... | 1,144 | ... | 41 | . | | .. | ... | ... | ... | . | ... | .. | 1,185 | .. | 1,185 | 266 | . | | |
| 15 | Madura ... ... .. ... | 277 | 21 | 1,160 | 47 | 1,437 | 68 | 31 | | | ... | ... | .. | ... | . | | | 1,468 | 68 | 1,536 | 329 | 2 | 3 | 1 |
| 16 | Palamcottah ... ... ... | 327 | ... | 731 | ... | 1,058 | ... | 28 | ... | ... | ... | . | ... | .. | ... | | ... | 1,086 | .. | 1,086 | 172 | . | 9 | . |
| 17 | Mangalore ... ... ... ... | 111 | 2 | 696 | 90 | 807 | 92 | 7 | ... | ... | . | ... | ... | ... | .. | ... | ... | 814 | 92 | 906 | 64 | 2 | 1 | |
| 18 | Guntúr ... ... ... ... | ... | ... | 655 | 26 | 655 | 26 | 61 | 1 | ... | ... | ... | . | .. | ... | . | ... | 716 | 27 | 743 | 191 | 1 | . | |
| | Total ... | 2,325 | 55 | 9,150 | 362 | 11,475 | 417 | 568 | 20 | ... | ... | 1 | ... | ... | ... | ... | ... | 12,044 | 437 | 12,481 | 2,090 | 58 | 34 | 1 |
| | Total, Central and District Jails ... | 8,244 | 196 | 18,604 | 932 | 26,848 | 1,128 | 3,031 | 91 | 13 | | 11 | 2 | 79 | 5 | 3 | ... | 29,985 | 1,226 | 31,211 | 3,147 | 91 | 75 | 4 |
| 19 | Criminal Leper Ward, Madras ... ... ... ... | 16 | ... | ... | ... | 16 | ... | 21 | ... | ... | ... | ... | . | | .. | . | ... | 37 | .. | 37 | 1 | . | . | ... |
| | Subsidiary Jails ... ... ... | 475 | 21 | 13,820 | 2,261 | 14,295 | 2,282 | ... | . | .. | ... | ... | . | 18,317 | 439 | ... | .. | 32,612 | 2,721 | 35,333 | 12,312 | 431 | | ... |
| | Grand Total ... | 8,735 | 217 | 32,424 | 3,193 | 41,159 | 3,410 | 3,052 | 91 | 13 | ... | 11 | 2 | 18,396 | 444 | 3 | ... | 62,634 | 3,947 | 66,581 | 21,460 | 522 | 75 | 4 |

## D.—PRISONS—*continued.*

(27)—*Statement showing the number and disposal of the convicts in the jails and subsidiary jails of the Madras Presidency during the year* 1898—continued.

| Serial number. | Jails. | 9 Released during the year. A. On appeal. M. | A. On appeal. F. | B. On expiry of sentence. M. | B. On expiry of sentence. F. | C. Under remission rule. M. | C. Under remission rule. F. | D. By order of Government. a. On account of sickness. M. | D. a. F. | D. By order of Government. b. On other grounds. M. | D. b. F. | 10 Transported beyond seas. M. | 10 F. | 11 Transferred to Lunatic Asylums. M. | 11 F. | 12 Escaped. M. | 12 F. | 13 Executed. M. | 13 F. | 14 Died. M. | 14 F. | 15 Remaining at the end of the present year. M. | 15 F. | 15 Total. | 16 Daily average number. M. | 16 F. | 16 Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***Central Jails.*** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Rajahmundry | 75 | 5 | 894 | 97 | 79 | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 2 | ... | 4 | 1 | 71 | 1 | 385 | 16 | 401 | 46·30 | 22·06 | 491·36 |
| 2 | Vellore | 179 | 5 | 1,177 | 120 | 217 | 6 | 4 | 1 | ... | ... | ... | ... | ... | ... | .. | ... | 8 | ... | 23 | 1 | 1,154 | 72 | 1,226 | 1,090·69 | 68·20 | 1,158·89 |
| 3 | Trichinopoly | 85 | ... | 543 | ... | 324 | ... | 4 | ... | 2 | ... | ... | .. | ... | ... | ... | ... | 2 | ... | 38 | .. | 1,087 | . | 1,087 | 1,052·15 | | 1,052·15 |
| 4 | Coimbatore | 109 | ... | 820 | 7 | 177 | ... | ... | ... | . | ... | ... | .. | ... | ... | 1 | ... | 4 | .. | 15 | . | 1,087 | | 1,087 | 895·46 | ·56 | 896·02 |
| 5 | Cannanore | 82 | 3 | 1,567 | 23 | 157 | 2 | ... | .. | .. | ... | ... | ... | 1 | ... | ... | ... | 5 | ... | 13 | | 777 | 13 | 790 | 735·54 | 10·89 | 746·43 |
| 6 | Salem | 67 | ... | 618 | .. | 143 | ... | .. | ... | ... | ... | ... | .. | ... | ... | ... | ... | 1 | .. | 7 | .. | 558 | . | 558 | 554·91 | | 554·91 |
| 7 | Penitentiary | 18 | ... | 3,395 | 324 | 189 | 5 | ... | .. | 1 | ... | 90 | 5 | 1 | 1 | ... | ... | 1 | ... | 12 | 1 | 769 | 44 | 813 | 825·65 | 53·37 | 857·02 |
| | Total | 615 | 13 | 8,814 | 571 | 1,286 | 13 | 8 | 1 | 3 | ... | 90 | 5 | 3 | 1 | 3 | | 25 | 1 | 179 | 3 | 5,817 | 145 | 5,962 | 5,621·10 | 135·08 | 5,756·18 |
| | ***District Jails.*** | | | | | | | | | | ... | | | | | | | | | | | | | | | | |
| 8 | Russellkonda | 4 | ... | 240 | ... | 11 | ... | ... | . | . | ... | .. | ... | ... | ... | ... | | ... | ... | 2 | | 130 | . | 130 | 80·61 | | 80·61 |
| 9 | Berhampur | 23 | 3 | 551 | 42 | 9 | 1 | | .. | .. | ... | ... | ... | ... | ... | ... | ... | 4 | ... | 4 | | 110 | 9 | 119 | 106·50 | 5·46 | 111·96 |
| 10 | Vizagapatam | 41 | ... | 859 | 2 | 74 | ... | .. | .. | . | ... | ... | ... | 1 | ... | ... | ... | 2 | . | 28 | . | 362 | | 362 | 316·88 | ·42 | 317·30 |
| 11 | Nellore | 30 | ... | 441 | 14 | 19 | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | 174 | 2 | 176 | 159·35 | 2·78 | 162·13 |
| 12 | Bellary | 128 | 7 | 682 | 53 | 65 | 3 | ... | ... | . | ... | .. | .. | . | ... | ... | . | 12 | 2 | 6 | | 308 | 14 | 322 | 299·26 | 18·89 | 318·15 |
| 13 | Cuddalore | 79 | 1 | 892 | 44 | 69 | .. | 2 | .. | ... | ... | | .. | .. | ... | 1 | .. | 1 | . | 4 | . | 316 | . | 316 | 296·65 | 9·42 | 306·07 |
| 14 | Tanjore | 68 | ... | 438 | ... | 64 | ... | . | .. | ... | ... | . | ... | ... | ... | ... | .. | 1 | | 8 | | 340 | . | 340 | 307·97 | | 307·97 |
| 15 | Madura | 67 | 4 | 663 | 44 | 44 | 3 | ... | | ... | ... | ... | ... | ... | ... | 1 | .. | 4 | | 2 | | 355 | 14 | 369 | 303·77 | 14·48 | 318·25 |
| 16 | Paiamcottah | 119 | ... | 401 | ... | 44 | . | ... | | 4 | ... | ... | ... | ... | ... | .. | .. | 5 | . | 7 | | 322 | | 322 | 305·76 | | 305·76 |
| 17 | Mangalore | 32 | ... | 611 | 88 | 15 | .. | . | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | | 1 | | 90 | 2 | 92 | 140·01 | 7·62 | 147·63 |
| 18 | Guntur | 53 | 1 | 269 | 16 | 4 | ... | . | .. | ... | ... | ... | ... | ... | ... | 1 | ... | .. | ... | ... | . | 198 | 9 | 207 | 125·21 | 5·67 | 130·88 |
| | Total | 644 | 16 | 6,050 | 303 | 418 | 7 | 2 | .. | 4 | ... | . | ... | 1 | ... | 3 | .. | 30 | 2 | 63 | . | 2,705 | 50 | 2,755 | 2,609·97 | 64·74 | 2,674·71 |
| | Total, Central and District Jails | 1,259 | 29 | 14,864 | 874 | 1,704 | 20 | 10 | 1 | 7 | ... | 90 | 5 | 4 | 1 | 6 | . | 55 | 3 | 242 | 3 | 8,522 | 195 | 8,717 | 8,231·67 | 199·82 | 8,431·49 |
| 19 | Criminal Leper Ward, Madras | 1 | ... | 15 | ... | 4 | . | ... | .. | ... | .. | ... | ... | ... | ... | ... | ... | .. | .. | 1 | | 15 | | 15 | 15·76 | | 15·76 |
| | Subsidiary Jails | 423 | 10 | 13,494 | 2,264 | .. | .. | . | . | ... | ... | ... | ... | 7 | ... | 6 | . | | .. | 10 | 1 | 360 | 15 | 375 | 648·70 | 54·18 | 702·88 |
| | Grand Total | 1,683 | 39 | 28,373 | 3,138 | 1,708 | 20 | 10 | 1 | 7 | .. | 90 | 5 | 11 | 1 | 12 | ... | 55 | 3 | 253 | 4 | 8,897 | 210 | 9,107 | 8,896·33 | 254·00 | 9,150·33 |

## D.—PRISONS—*continued.*

(28)—*Statement showing the religion, age, state of education, and previous occupation of the convicts admitted into the jails and subsidiary jails of the Madras Presidency during the year* 1898.

| 1 | 2 | 3 | | | | | | | | | | | | | | | | 4 | | | | | | 5 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Religion. | | | | | | | | | | | | | | | | Age. | | | | | | Education. | | | |
| | | A. | | | | | | B. | | C. | | D. | | E. | | A. | | B. | | C. | | D. | | A | | B | |
| | | Christians. | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serial number. | Jails. | a. Europeans. | | b. Eurasians. | | c. Natives. | | Muhammadans. | | Hindus and Sikhs. | | Buddhists and Jains. | | All other classes. | | Under 16 years. | | 16 to 40 years. | | 40 to 60 years. | | Above 60 years. | | Able to read and write | | Able to read only | |
| | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Males. | Females. | Males. | Females. |
| | *Central Jails.* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Rajahmundry ... ... ... ... | ... | ... | ... | ... | 2 | ... | 23 | ... | 558 | 94 | .. | .. | | | 7 | 1 | 448 | 60 | 123 | 33 | 5 | | 21 | | 13 | |
| 2 | Vellore ... ... ... ... ... | ... | ... | ... | ... | 5 | ... | 119 | 1 | 1,389 | 132 | ... | . | | ... | 3 | 7 | 1,292 | 102 | 204 | 23 | 14 | 1 | 123 | | 49 | |
| 3 | Trichinopoly ... ... ... ... | ... | ... | ... | ... | 27 | .. | 22 | ... | 511 | ... | ... | . | . | . | 1 | . | 156 | . | 93 | . | 10 | . | 70 | | 39 | |
| 4 | Coimbatore ... ... ... ... | ... | ... | 3 | .. | 9 | ... | 49 | ... | 919 | 7 | ... | . | . | . | 6 | 1 | 8.0 | 5 | 122 | 1 | 2 | . | 37 | | 11 | |
| 5 | Cannanore ... ... ... ... | 1 | ... | 1 | ... | 24 | ... | 484 | 1 | 1,177 | 27 | ... | . | . | .. | 19 | ... | 1,394 | 27 | 273 | 3 | 21 | 1 | 261 | | 219 | |
| 6 | Salem ... ... ... ... ... | ... | ... | 1 | ... | 1 | ... | 32 | ... | 620 | ... | ... | . | . | . | 14 | ... | 523 | . | 112 | . | 5 | . | 32 | | 5 | |
| 7 | Penitentiary ... ... ... ... | 11 | .. | 47 | 4 | 5 | 1 | 344 | 12 | 3,063 | 288 | 1 | ... | | .. | 113 | 10 | 2,930 | 244 | 410 | 51 | 18 | | 532 | 6 | 70 | |
| | Total ... | 12 | ... | 52 | 4 | 73 | 1 | 1,073 | 17 | 8,237 | 548 | 1 | ... | | ... | 162 | 19 | 7,893 | 438 | 1,317 | 111 | 75 | 2 | 816 | 6 | 404 | |
| | *District Jails.* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... ... ... | ... | ... | .. | ... | ... | ... | ... | ... | 184 | ... | ... | ... | .. | . | 3 | .. | 141 | | 40 | | ... | | 28 | | 23 | |
| 9 | Berhampur ... ... ... ... | ... | ... | ... | ... | ... | ... | 12 | . | 646 | 40 | .. | . | . | .. | 13 | 1 | 512 | 30 | 129 | 9 | 4 | .. | 38 | | 33 | |
| 10 | Vizagapatam ... ... ... ... | ... | ... | ... | ... | 7 | ... | 15 | ... | 1,172 | 11 | ... | ... | . | . | 4 | ... | 1,021 | 10 | 167 | 1 | 2 | | 32 | | 15 | |
| 11 | Nellore ... ... ... ... ... | ... | ... | ... | ... | 5 | 1 | 54 | 2 | 523 | 9 | ... | ... | ... | . | 2 | ... | 445 | 10 | 120 | 2 | 15 | | 25 | | 37 | |
| 12 | Bellary ... ... ... ... ... | ... | ... | 1 | ... | 8 | 3 | 154 | 6 | 1,035 | 65 | ... | . | . | . | 4 | 2 | 989 | 58 | 192 | 13 | 13 | 1 | 152 | | | |
| 13 | Cuddalore ... ... ... ... | ... | ... | ... | ... | 7 | ... | 35 | ... | 1,196 | 62 | ... | ... | ... | ... | 4 | ... | 926 | 16 | 285 | 16 | 28 | | 178 | 2 | 15 | |
| 14 | Tanjore ... ... ... ... ... | 1 | ... | ... | ... | 4 | ... | 29 | ... | 818 | ... | ... | .. | . | ... | 11 | | 676 | . | 159 | . | 6 | | 42 | | 179 | |
| 15 | Madura ... ... ... ... ... | ... | .. | 1 | ... | 23 | 1 | 63 | 1 | 1,073 | 45 | ... | .. | .. | ... | 5 | 4 | 897 | 34 | 244 | 9 | 14 | . | 143 | | 60 | |
| 16 | Palamcottah ... ... ... ... | ... | ... | ... | ... | 26 | ... | 37 | ... | 668 | ... | ... | ... | | .. | 4 | ... | 590 | .. | 130 | ... | 7 | ... | 166 | | 18 | |
| 17 | Mangalore ... ... ... ... | ... | ... | ... | ... | 97 | 26 | 75 | 5 | 520 | 59 | 4 | ... | ... | ... | 4 | 2 | 499 | 56 | 185 | 32 | 8 | ... | 20 | | 75 | ... |
| 18 | Guntûr ... ... ... ... ... | ... | ... | 1 | ... | 31 | ... | 36 | 1 | 587 | 25 | ... | ... | ... | . | 5 | ... | 543 | 19 | 105 | 6 | 2 | 1 | 30 | . | 8 | |
| | Total ... | 1 | ... | 3 | ... | 208 | 31 | 510 | 15 | 8,422 | 316 | 4 | ... | .. | ... | 59 | 9 | 7,239 | 263 | 1,756 | 88 | 94 | 2 | 874 | 2 | 463 | |
| | Total, Central and District Jails ... | 13 | ... | 55 | 4 | 281 | 32 | 1,583 | 32 | 16,659 | 864 | 5 | ... | ... | ... | 222 | 28 | 15,132 | 701 | 3,073 | 199 | 169 | 4 | 1,690 | 8 | 867 | ... |
| | Subsidiary Jails ... ... ... | ... | ... | 7 | ... | 453 | 66 | 1,042 | 62 | 12,315 | 2,132 | 3 | 1 | .. | . | 275 | 159 | 10,631 | 1,523 | 2,721 | 553 | 193 | 26 | 1,242 | 8 | 174 | |
| | Grand Total ... | 13 | ... | 62 | 4 | 734 | 98 | 2,625 | 94 | 28,974 | 2,996 | 8 | 1 | ... | ... | 49 | 187 | 25,763 | 2,224 | 5,794 | 752 | 362 | 30 | 2,932 | 16 | 1,041 | .. |

# D.—PRISONS—*continued.*

(28)—*Statement showing the religion, age, state of education, and previous occupation of the convicts admitted into the jails and subsidiary jails of the Madras Presidency during the year* 1898—continued.

| Serial number. | Jails. | 5—*cont.* Education—*cont.* C. Illiterate. | | 6 Previous occupation. Males. | | | | | | | Females. | | | | 7 Total. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Males. | Females. | A. Persons employed under Government or municipal or other local authorities. | B. Professional persons. | C. Persons in service or performing personal offices. | D. Persons engaged in agriculture and with animals. | E. Persons engaged in commerce and trade. | F. Persons employed in mechanical arts, manufactures, and engineering operations, &c. | G. Miscellaneous persons not classed otherwise. | H. Married. | I. Unmarried. | J. Widows. | K. Prostitutes | M | F. | Total. |
| | *Central Jails.* | | | | | | | | | | | | | | | | |
| 1 | Rajahmundry ... ... ... ... | 549 | 94 | 7 | 5 | 142 | 316 | 54 | 48 | 11 | 60 | 1 | 32 | 1 | 583 | 94 | 677 |
| 2 | Vellore ... ... ... ... ... | 1,341 | 133 | 79 | 4 | 102 | 1,018 | 198 | 157 | 45 | 92 | 9 | 32 | | 1,513 | 133 | 1,646 |
| 3 | Trichinopoly ... ... ... ... | 451 | .. | 14 | 3 | 89 | 324 | 58 | 66 | 6 | | | | | 560 | | 560 |
| 4 | Coimbatore ... ... ... ... | 932 | 7 | 22 | ... | 119 | 664 | 64 | 84 | 25 | 6 | 1 | | | 980 | 7 | 987 |
| 5 | Cannanore ... ... ... ... | 1,267 | 31 | 15 | 39 | 189 | 1,147 | 220 | 66 | 11 | 31 | | | | 1,687 | 31 | 1,718 |
| 6 | Salem ... ... ... ... ... | 619 | ... | 10 | 7 | 63 | 474 | 32 | 53 | 15 | .. | | | | 624 | | 624 |
| 7 | Penitentiary ... ... ... ... | 3,069 | 299 | 97 | 125 | 2,119 | 355 | 409 | 355 | 31 | 206 | 77 | 5 | 17 | 3,471 | 305 | 3,776 |
| | Total ... | 8,228 | 564 | 244 | 183 | 2,823 | 4,298 | 945 | 811 | 144 | 395 | 88 | 69 | 18 | 9,448 | 570 | 10,018 |
| | *District Jails.* | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... ... ... | 133 | ... | 5 | 1 | 8 | 101 | 25 | 44 | ... | .. | | | | 184 | | 184 |
| 9 | Berhampur ... ... ... ... | 587 | 40 | 35 | 17 | 56 | 446 | 70 | 22 | 12 | 20 | 2 | 16 | 2 | 658 | 40 | 698 |
| 10 | Vizagapatam ... ... ... ... | 1,147 | 11 | 56 | 64 | 138 | 695 | 92 | 91 | 58 | 9 | 1 | 1 | | 1,194 | 11 | 1,205 |
| 11 | Nellore ... ... ... ... ... | 520 | 12 | 25 | ... | 62 | 353 | 43 | 77 | 22 | 6 | | 6 | | 588 | 12 | 600 |
| 12 | Bellary ... ... ... ... ... | 1,046 | 74 | 61 | 3 | 71 | 802 | 100 | 122 | 39 | 59 | 3 | 8 | 4 | 1,198 | 74 | 1,272 |
| 13 | Cuddalore ... ... ... ... | 1,045 | 60 | 31 | 33 | 33 | 1,062 | 53 | 22 | 4 | 39 | 2 | 21 | | 1,178 | 62 | 1,240 |
| 14 | Tanjore ... ... ... ... ... | 651 | ... | 16 | 9 | 107 | 514 | 61 | 131 | 14 | | | | | 852 | | 852 |
| 15 | Madura ... ... ... ... ... | 957 | 47 | 15 | 4 | 101 | 891 | 63 | 86 | .. | 31 | 5 | 11 | | 1,100 | 47 | 1,147 |
| 16 | Palamcottah ... ... ... ... | 547 | .. | 26 | 15 | 65 | 473 | 48 | 57 | 47 | | | | | 781 | | 781 |
| 17 | Mangalore ... ... ... ... | 601 | 90 | 20 | 3 | 99 | 496 | 37 | 35 | 6 | 43 | 7 | 40 | | 696 | 90 | 786 |
| 18 | Guntúr ... ... ... ... ... | 597 | 26 | 17 | 1 | 53 | 310 | 91 | 113 | 70 | 17 | 3 | 6 | | 655 | 26 | 681 |
| | Total ... | 7,811 | 360 | 307 | 150 | 793 | 6,143 | 683 | 800 | 272 | 224 | 23 | 109 | 6 | 9,148 | 362 | 9,510 |
| | Total, Central and District Jails ... | 16,039 | 924 | 551 | 333 | 3,616 | 10,441 | 1,628 | 1,611 | 416 | 619 | 111 | 178 | 24 | 18,596 | 932 | 19,528 |
| | Subsidiary Jails ... ... ... | 12,404 | 2,253 | 131 | 591 | 1,014 | 8,913 | 572 | 281 | 2,318 | 1,393 | 222 | 579 | 67 | 12,820 | 2,261 | 16,081 |
| | Grand Total ... | 28,443 | 3,177 | 682 | 924 | 4,630 | 19,354 | 2,200 | 1,892 | 2,734 | 2,012 | 333 | 757 | 91 | 32,416 | 3,193 | * 35,609 |

* Criminal lunatics are excluded from this statement.

# D.—PRISONS—*continued.*

(29)—*Statement showing the convicts admitted into the jails and subsidiary jails of the Madras Presidency during the year* 1898 *and those remaining on the* 31*st December of that year, according to the nature and length of sentences.*

| 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | 5 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Numbers according to length of sentences. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | A. | | B. | | C. | | D. | | E. | | F. | | G. | | H. | | I. | | | | J. | | Total. | | |
| Serial number. | Jails. | Nature of imprisonment indicated by letters marking the four jail divisions. | Not exceeding 1 month. | | Above 1 month and not exceeding 3 months. | | Above 3 months and not exceeding 6 months. | | Above 6 months and not exceeding 1 year. | | Above 1 year and not exceeding 2 years. | | Above 2 years and not exceeding 5 years. | | Above 5 years and not exceeding 10 years. | | Exceeding 10 years. | | Sentenced to transportation beyond seas. | | | | Sentenced to death. | | | | |
| | | | | | | | | | | | | | | | | | | | a. For life. | | b. For a term. | | | | | | |
| | | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| | *Central.* | A. Prisoners sentenced to simple imprisonment ... | 2 | 1 | 4 | 1 | 2 | 1 | 4 | ... | ... | ... | | .. | ... | ... | ... | | | | | | | | 12 | 3 | 15 |
| | | B. Prisoners sentenced to rigorous imprisonment... | 31 | 15 | 232 | 53 | 141 | 14 | 60 | 2 | 23 | ... | 5 | 1 | 6 | ... | .. | | 4 | | | | 5 | 4 | 527 | 91 | 618 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | 1 | . | 10 | .. | 4 | . | 2 | ... | . | ... | . | . | . | | | | | | | | 17 | | 17 |
| 1 | Rajahmundry. | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | .. | 5 | . | 13 | | 2 | .. | 6 | .. | 1 | .. | .. | | | | | | .. | | | | 27 | | 27 |
| | | Total admissions ... | 33 | 16 | 262 | 56 | 166 | 15 | 70 | 2 | 31 | .. | 6 | 1 | 6 | | | | 4 | .. | | | 5 | 4 | 783 | 94 | 877 |
| | | Remaining on the 31st December * ... | 2 | 1 | 28 | 4 | 98 | 5 | 67 | 2 | 61 | .. | 62 | 1 | 44 | | 9 | ... | 16 | 3 | . | | | | 385 | 16 | 401 |
| | | A. Prisoners sentenced to simple imprisonment ... | 9 | ... | 20 | 5 | 2 | | ... | ... | ... | ... | ... | ... | .. | .. | .. | .. | .. | .. | . | . | . | . | 29 | 7 | 36 |
| | | B. Prisoners sentenced to rigorous imprisonment .. | 51 | 10 | 538 | 73 | 316 | 23 | 138 | 11 | 79 | 3 | 70 | 2 | 12 | 1 | . | .. | 20 | 2 | . | .. | 10 | . | 1,377 | 125 | 1,502 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | .. | 3 | . | 50 | 1 | 9 | .. | 3 | .. | 2 | ... | .. | | . | .. | .. | | .. | | | | 67 | 1 | 68 |
| 2 | Vellore ... | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | . | 4 | | 24 | | 6 | .. | 5 | . | 1 | ... | . | | . | | | . | . | | | | 40 | | 40 |
| | | Total admissions ... | 63 | 10 | 625 | 78 | 470 | 26 | 153 | 11 | 87 | 3 | 73 | 2 | 12 | 1 | .. | .. | 20 | 2 | . | . | 10 | .. | 1,513 | 133 | 1,646 |
| | | Remaining on the 31st December * ... | 12 | 1 | 97 | 9 | 190 | 10 | 126 | 11 | 169 | 10 | 281 | 11 | 141 | 11 | 8 | | 104 | 5 | 24 | 1 | 1 | | 1,154 | 72 | 1,226 |
| | | A. Prisoners sentenced to simple imprisonment ... | 19 | . | 4 | . | . | . | .. | ... | .. | .. | . | .. | . | . | . | | .. | .. | ... | . | . | . | 23 | . | 23 |
| | | B. Prisoners sentenced to rigorous imprisonment. . | 70 | ... | 204 | . | 158 | .. | 23 | .. | 9 | . | 21 | ... | 2 | ... | . | .. | 1 | .. | .. | . | 5 | | 493 | . | 493 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | | 5 | .. | 7 | . | 8 | . | | .. | ... | ... | . | .. | .. | .. | .. | . | . | | 20 | .. | 20 |
| 3 | Trichinopoly ... | D. Prisoners sentenced to rigorous imprisonment with whipping. | 1 | ... | 5 | . | 8 | .. | 5 | ... | 5 | . | | ... | ... | .. | ... | .. | .. | .. | . | ... | . | . | 24 | .. | 24 |
| | | Total admissions ... | 90 | .. | 213 | .. | 171 | ... | 35 | ... | 22 | .. | 21 | ... | 2 | ... | .. | . | 1 | ... | .. | | 5 | . | 560 | ... | 560 |
| | | Remaining on the 31st December * ... | ... | ... | 40 | . | 149 | ... | 104 | ... | 289 | .. | 321 | ... | 182 | .. | 12 | ... | 24 | ... | 15 | . | 1 | .. | 1,087 | ... | 1,087 |
| | | A. Prisoners sentenced to simple imprisonment ... | 10 | ... | 2 | ... | 2 | .. | . | .. | 5 | . | . | .. | . | .. | ... | ... | ... | ... | .. | | .. | . | 19 | . | 19 |
| | | B. Prisoners sentenced to rigorous imprisonment... | 58 | 7 | 304 | ... | 226 | | 47 | . | 72 | . | 99 | .. | 38 | ... | ... | ... | 10 | ... | ... | | 10 | . | 864 | 7 | 871 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | 2 | . | 21 | . | 6 | . | 32 | . | 5 | ... | .. | .. | ... | ... | ... | ... | ... | .. | .. | | 66 | . | 66 |
| 4 | Coimbatore ... | D. Prisoners sentenced to rigorous imprisonment with whipping. | 3 | ... | 2 | .. | 10 | ... | 2 | . | 11 | | 3 | ... | .. | .. | | ... | ... | . | . | | .. | | 31 | . | 31 |
| | | Total admissions ... | 71 | 7 | 310 | . | 259 | ... | 55 | ... | 120 | ... | 107 | ... | 38 | ... | .. | ... | 10 | ... | ... | . | 10 | ... | 980 | 7 | 987 |
| | | Remaining on the 31st December * ... | 4 | ... | 96 | ... | 108 | ... | 44 | ... | 122 | ... | 296 | ... | 328 | ... | 12 | .. | 52 | ... | 18 | .. | 7 | ... | 1,087 | . | 1,087 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | Cannanore ... | A. Prisoners sentenced to simple imprisonment ... | 15 | 4 | 9 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25 | 4 | 29 |
| | | B. Prisoners sentenced to rigorous imprisonment ... | 550 | 10 | 410 | 8 | 391 | 4 | 118 | 2 | 38 | 2 | 36 | 1 | 25 | ... | ... | ... | 9 | .. | .. | .. | 9 | .. | 1,586 | 27 | 1,613 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | 8 | ... | 6 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | | | 16 | | 16 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | 1 | ... | 5 | ... | 47 | ... | 5 | ... | 2 | ... | ... | ... | ... | ... | ... | .. | .. | . | .. | | . | . | 60 | | 60 |
| | | Total admissions ... | 566 | 14 | 424 | 8 | 447 | 4 | 129 | 2 | 42 | 2 | 36 | 1 | 25 | ... | ... | ... | 9 | . | .. | | 9 | .. | 1,687 | 31 | 1,718 |
| | | Remaining on the 31st December * ... | 6 | ... | 94 | ... | 154 | 2 | 99 | 2 | 104 | 4 | 151 | 2 | 120 | 1 | 8 | ... | 30 | 2 | 8 | | 3 | | 777 | 18 | 795 |
| 6 | Salem ... | A. Prisoners sentenced to simple imprisonment ... | 18 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 6 | ... | ... | ... | ... | .. | . | | . | | | | 25 | | 25 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 105 | ... | 230 | ... | 159 | ... | 65 | ... | 29 | ... | 11 | ... | 2 | | ... | .. | 2 | .. | . | . | 2 | | 605 | | 605 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | 2 | ... | 3 | ... | 12 | ... | ... | ... | ... | .. | .. | | .. | | . | | | | 17 | | 17 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | ... | ... | 4 | ... | 2 | ... | 1 | ... | ... | ... | .. | .. | ... | . | . | .. | ... | | | | 7 | | 7 |
| | | Total admissions ... | 123 | ... | 231 | ... | 165 | ... | 70 | ... | 42 | ... | 17 | ... | 2 | ... | ... | ... | 2 | ... | ... | .. | 2 | . | 654 | | 654 |
| | | Remaining on the 31st December * ... | ... | ... | 38 | ... | 72 | ... | 65 | ... | 158 | ... | 140 | ... | 55 | ... | 1 | . | 20 | | 8 | . | 1 | | 558 | | 558 |
| 7 | Penitentiary. | A. Prisoners sentenced to simple imprisonment ... | 217 | 30 | 9 | 2 | 3 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | . | . | | .. | | | | | 231 | 32 | 263 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 2,450 | 226 | 371 | 28 | 193 | 11 | 61 | 3 | 34 | 4 | 16 | 1 | 1 | ... | ... | . | 1 | .. | | | 1 | | 3,128 | 273 | 3,401 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | 3 | ... | 17 | ... | 9 | ... | 12 | ... | 13 | ... | 6 | ... | . | . | | | .. | . | | | 60 | | 60 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | 13 | ... | 22 | ... | 11 | ... | 3 | ... | 2 | ... | 1 | ... | .. | .. | . | . | | | | | | | 52 | | 52 |
| | | Total admissions ... | 2,680 | 256 | 405 | 30 | 224 | 11 | 75 | 3 | 48 | 4 | 30 | 1 | 7 | ... | ... | . | 1 | .. | | | 1 | | 3,471 | 305 | 3,776 |
| | | Remaining on the 31st December * ... | 19 | 1 | 47 | 10 | 109 | 15 | 64 | 6 | 127 | 4 | 176 | 2 | 171 | 3 | 15 | 3 | 21 | ... | 8 | | | | 757 | 44 | 801 |
| | *District.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda. | A. Prisoners sentenced to simple imprisonment ... | 14 | ... | 2 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | .. | .. | | | | | | 17 | | 17 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 56 | ... | 54 | ... | 29 | ... | 2 | ... | 3 | ... | 1 | ... | 1 | .. | ... | ... | | | | | | | 146 | | 146 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | 1 | ... | 2 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | | | | 5 | | 5 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | 1 | .. | 9 | ... | 3 | ... | 3 | ... | ... | ... | ... | ... | ... | ... | .. | . | . | ... | ... | | 16 | | 16 |
| | | Total admissions ... | 70 | ... | 57 | ... | 40 | ... | 7 | ... | 8 | ... | 1 | ... | 1 | ... | .. | .. | . | ... | ... | ... | | | 184 | | 184 |
| | | Remaining on the 31st December * ... | 5 | ... | 13 | ... | 49 | ... | 23 | ... | 25 | ... | 10 | ... | 4 | ... | 1 | ... | ... | ... | ... | | . | | 130 | | 130 |
| 9 | Berhampur ... | A. Prisoners sentenced to simple imprisonment ... | 15 | 6 | 8 | 2 | 1 | ... | 2 | ... | 2 | ... | ... | ... | ... | ... | — | ... | . | .. | ... | . | | | 28 | 8 | 36 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 109 | 19 | 304 | 8 | 115 | 5 | 23 | ... | 11 | ... | 5 | ... | 5 | ... | . | . | 2 | . | . | | 4 | | 578 | 32 | 610 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | 1 | ... | ... | ... | 5 | ... | 5 | ... | ... | ... | ... | | | | . | | | .. | 11 | | 11 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | 5 | ... | 15 | ... | 15 | ... | 4 | ... | 2 | ... | ... | ... | ... | ... | ... | .. | ... | . | .. | . | | | 41 | | 41 |
| | | Total admissions ... | 129 | 25 | 327 | 10 | 132 | 5 | 29 | ... | 20 | ... | 10 | ... | 5 | ... | ... | .. | 2 | ... | | | 4 | | 658 | 40 | 698 |
| | | Remaining on the 31st December * ... | 10 | 2 | 37 | 3 | 17 | 4 | 18 | ... | 12 | ... | 4 | ... | 7 | ... | .. | . | 2 | . | | | 3 | | 110 | 9 | 119 |
| 10 | Vizagapatam. | A. Prisoners sentenced to simple imprisonment ... | 1 | 1 | 14 | ... | 4 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | .. | . | | | | | | | 20 | 2 | 22 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 34 | ... | 376 | 3 | 350 | 3 | 114 | ... | 19 | 1 | 42 | ... | 13 | ... | ... | .. | 12 | 2 | 3 | | 2 | | 965 | 9 | 974 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | 5 | ... | 17 | ... | 19 | ... | 12 | ... | 7 | ... | 1 | ... | ... | . | | | . | | | . | 61 | | 61 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | 3 | ... | 11 | .. | 34 | ... | 28 | ... | 18 | ... | 3 | ... | 1 | ... | ... | .. | .. | . | . | . | | | 148 | | 148 |
| | | Total admissions ... | 38 | 1 | 406 | 3 | 455 | 4 | 162 | ... | 49 | 1 | 52 | ... | 15 | ... | ... | ... | 12 | 2 | 3 | .. | 2 | .. | 1,194 | 11 | 1,205 |
| | | Remaining on the 31st December * ... | ... | ... | 46 | ... | 160 | ... | 61 | ... | 37 | ... | 33 | ... | 17 | ... | 2 | .. | 6 | ... | . | | .. | .. | 362 | | 362 |

* Classes A, B, C and D should be amalgamated for this total.

(29)—*Statement showing the convicts admitted into the jails and subsidiary jails of the Madras Presidency during the year* 1898 *and those remaining on the* 31*st December of that year, according to the nature and length of sentences*—continued.

| 1 | | 3 | 4 | | | | | | | | | | | | | | | | | | | | 5 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Numbers according to length of sentences. | | | | | | | | | | | | | | | | | | | | | | |
| | | | A. | | B. | | C. | | D. | | E. | | F. | | G. | | H. | | I. | | | | J. | | | | |
| Serial number. | Jails. | Nature of imprisonment indicated by letters marking the four jail divisions. | Not exceeding 1 month. | | Above 1 month and not exceeding 3 months. | | Above 3 months and not exceeding 6 months. | | Above 6 months and not exceeding 1 year. | | Above 1 year and not exceeding 2 years. | | Above 2 years and not exceeding 5 years. | | Above 5 years and not exceeding 10 years. | | Exceeding 10 years. | | Sentenced to transportation beyond seas. | | | | Sentenced to death. | | Total. | | |
| | | | | | | | | | | | | | | | | | | | *a.* For life. | | *b.* For a term | | | | | | |
| | | | M. | F. | M. | F. | M. | F. | M. | F. | . | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. |
| | *District*—cont. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | A. Prisoners sentenced to simple imprisonment ... | 8 | 1 | 3 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | .. | 11 | 2 | 13 |
| | | B. Prisoners sentenced to rigorous imprisonment ... | 46 | 2 | 237 | 3 | 167 | 3 | 47 | 1 | 31 | 1 | 7 | .. | 9 | ... | ... | ... | 2 | ... | .. | .. | .. | . | 546 | 10 | 556 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | 15 | ... | 1 | ... | 4 | ... | 3 | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | .. | 23 | . | 23 |
| 1 | Nellore ... | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | .. | ... | .. | ... | ... | .. | ... | .. | . | . | | | 2 | | 2 |
| | | Total admissions ... | 54 | 3 | 240 | 4 | 184 | 3 | 48 | 1 | 35 | 1 | 10 | ... | 9 | ... | ... | ... | 2 | ... | . | | ... | | 582 | 12 | 594 |
| | | Remaining on the 31st December * ... | ... | ... | 43 | 1 | 88 | 1 | 27 | ... | 7 | ... | 7 | ... | 2 | ... | ... | ... | ... | .. | .. | .. | .. | | 174 | 2 | 176 |
| | | A. Prisoners sentenced to simple imprisonment ... | 9 | 5 | 34 | 8 | 6 | 3 | 2 | 2 | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | .. | .. | .. | 52 | 18 | 70 |
| | | B. Prisoners sentenced to rigorous imprisonment ... | 56 | 3 | 520 | 26 | 325 | 13 | 57 | 8 | 41 | ... | 46 | 1 | 11 | 2 | ... | ... | 29 | ... | .. | ... | 27 | 3 | 1,112 | 56 | 1,168 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | 2 | ... | 7 | ... | 9 | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | .. | . | | 18 | | 18 |
| 12 | Bellary ... | D. Prisoners sentenced to rigorous imprisonment with whipping. | 1 | ... | 7 | ... | 7 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | 16 | | 16 |
| | | Total admissions ... | 66 | 8 | 561 | 34 | 340 | 16 | 66 | 10 | 51 | ... | 46 | 1 | 12 | 2 | ... | ... | 29 | ... | .. | .. | 27 | 3 | 1,158 | 74 | 1,232 |
| | | Remaining on the 31st December * ... | 2 | 1 | 78 | 3 | 76 | 4 | 24 | 4 | 36 | 2 | 54 | ... | 13 | ... | 2 | ... | 19 | ... | 1 | ... | 3 | .. | 308 | 14 | 322 |
| | | A. Prisoners sentenced to simple imprisonment ... | 2 | ... | 13 | 2 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | .. | ... | ... | ... | 17 | 2 | 19 |
| | | B. Prisoners sentenced to rigorous imprisonment ... | 39 | 1 | 547 | 34 | 427 | 22 | 53 | 2 | 61 | ... | 39 | 1 | 13 | ... | ... | ... | 5 | ... | 2 | .. | 1 | ... | 1,187 | 60 | 1,247 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | 19 | ... | 3 | ... | 1 | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | | ... | .. | 23 | ... | 23 |
| 13 | Cuddalore ... | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | ... | ... | 10 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | 11 | ... | 11 |
| | | Total admissions ... | 41 | 1 | 560 | 36 | 457 | 22 | 58 | 2 | 62 | ... | 39 | 1 | 13 | ... | ... | .. | 5 | ... | 2 | . | 1 | ... | 1,238 | 62 | 1,300 |
| | | Remaining on the 31st December * ... | 2 | ... | 119 | ... | 103 | ... | 18 | ... | 29 | ... | 41 | ... | 4 | ... | ... | .. | .. | | .. | ... | ... | ... | 316 | .. | 316 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Tanjore ... | A. Prisoners sentenced to simple imprisonment ... | 7 | ... | 5 | ... | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 17 | ... | 17 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 36 | ... | 268 | ... | 206 | ... | 117 | ... | 48 | ... | 46 | ... | 26 | ... | ... | ... | 5 | ... | ... | ... | 1 | ... | 753 | .. | 753 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | 10 | ... | 28 | ... | 3 | ... | 4 | ... | ... | ... | ... | ... | ... | ... | .. | . | ... | ... | .. | .. | 45 | ... | 45 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | 4 | ... | 13 | ... | 8 | ... | 8 | ... | 3 | ... | 1 | ... | ... | ... | ... | . | ... | .. | ... | ... | 37 | | 37 |
| | | Total admissions ... | 43 | ... | 287 | ... | 252 | ... | 128 | ... | 60 | ... | 49 | ... | 27 | ... | ... | ... | 5 | ... | ... | ... | 1 | ... | 852 | . | 852 |
| | | Remaining on the 31st December * ... | ... | ... | 32 | ... | 62 | ... | 68 | ... | 107 | ... | 46 | ... | 25 | ... | ... | ... | ... | .. | ... | ... | ... | ... | 340 | ... | 340 |
| 15 | Madura ... | A. Prisoners sentenced to simple imprisonment ... | 21 | 2 | 16 | 3 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | .. | . | ... | . | .. | 88 | 5 | 43 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 87 | 8 | 314 | 16 | 238 | 12 | 145 | 4 | 55 | ... | 64 | 1 | 11 | . | 1 | ... | 6 | 1 | ... | ... | 11 | .. | 952 | 42 | 974 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | 1 | ... | 19 | ... | 65 | ... | 33 | ... | 2 | ... | ... | ... | ... | ... | ... | . | .. | . | ... | ... | 120 | | 120 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | 1 | ... | 14 | ... | 19 | ... | 26 | ... | 10 | ... | ... | ... | ... | . | ... | .. | ... | .. | ... | ... | 70 | | 70 |
| | | Total admissions ... | 108 | 10 | 332 | 19 | 272 | 12 | 229 | 4 | 114 | ... | 76 | 1 | 11 | ... | 1 | .. | 6 | 1 | .. | | 11 | ... | 1,160 | 47 | 1,207 |
| | | Remaining on the 31st December * ... | 1 | ... | 42 | 3 | 110 | 8 | 137 | 2 | 26 | ... | 26 | 1 | 8 | ... | .. | | 4 | .. | ... | . | 1 | ... | 355 | 14 | 369 |
| 16 | Palamcottah. | A. Prisoners sentenced to simple imprisonment ... | 10 | ... | 5 | ... | 3 | ... | 1 | ... | 1 | ... | ... | . | . | ... | ... | .. | .. | | ... | . | .. | ... | 20 | | 20 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 48 | ... | 165 | ... | 249 | ... | 87 | ... | 41 | ... | 33 | ... | 23 | ... | ... | . | 7 | . | | | 4 | . | 657 | ... | 657 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | 12 | ... | 11 | ... | 14 | ... | 2 | ... | ... | .. | . | | | .. | .. | . | | . | 39 | | 39 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | ... | ... | 7 | ... | 2 | ... | 5 | ... | 1 | ... | .. | | | | | | | | | . | 15 | | 15 |
| | | Total admissions ... | 58 | ... | 170 | ... | 271 | ... | 101 | ... | 61 | ... | 36 | .. | 23 | .. | ... | . | 7 | | .. | | 4 | | 731 | | 731 |
| | | Remaining on the 31st December * ... | ... | ... | ... | ... | ... | ... | 176 | ... | 42 | ... | 70 | .. | 33 | .. | | | 1 | | | | | . | 322 | . | 322 |
| 17 | Mangalore ... | A. Prisoners sentenced to simple imprisonment ... | 13 | 19 | 7 | 3 | ... | ... | 1 | ... | ... | ... | ... | .. | .. | | . | | . | | . | | . | | 21 | 22 | 43 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 133 | 37 | 393 | 29 | 80 | 1 | 26 | ... | 8 | 1 | 9 | ... | 8 | .. | . | | 4 | | ... | | 2 | | 623 | 68 | 731 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | ... | ... | 1 | ... | 2 | ... | 3 | . | | | | | | | | | | | 6 | | 6 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | 1 | ... | 2 | ... | 2 | ... | ... | ... | 1 | . | .. | | | | | | | | | | 6 | | 6 |
| | | Total admissions ... | 146 | 56 | 401 | 32 | 82 | 1 | 30 | ... | 10 | 1 | 13 | .. | 8 | | | . | 4 | | | | 2 | | 696 | 90 | 786 |
| | | Remaining on the 31st December * ... | 2 | 1 | 42 | 1 | 30 | ... | 12 | ... | 1 | ... | 3 | .. | .. | | . | | | | | | | | 90 | 2 | 92 |
| 18 | Guntúr ... | A. Prisoners sentenced to simple imprisonment ... | 1 | ... | 19 | 1 | 6 | 1 | 1 | .. | ... | ... | ... | | ... | | | | | | | | | | 27 | 2 | 29 |
| | | B. Prisoners sentenced to rigorous imprisonment. | 10 | ... | 254 | 17 | 182 | 5 | 76 | 2 | 27 | . | 16 | . | 2 | | | | 1 | | | | | | 568 | 24 | 592 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | .. | 1 | ... | 12 | ... | 3 | ... | 8 | ... | . | | .. | | | | | | | | | | 24 | | 24 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | 3 | ... | 13 | . | 2 | ... | 18 | .. | .. | | . | | | | | | | | | | 36 | | 36 |
| | | Total admissions ... | 11 | .. | 277 | 18 | 213 | 6 | 82 | 2 | 53 | ... | 16 | ... | 2 | | | | 1 | | | | | | 655 | 26 | 681 |
| | | Remaining on the 31st December * ... | .. | . | 57 | 4 | 85 | 3 | 35 | 2 | 17 | ... | 3 | ... | 1 | | | | | | | | | | 198 | 9 | 207 |
| | Total, Central and District Jails. | A. Prisoners sentenced to simple imprisonment .. | 391 | 69 | 175 | 28 | 36 | 8 | 15 | 2 | 8 | ... | 6 | | 1 | | .. | | | | | | | | 652 | 107 | 759 |
| | | B. Prisoners sentenced to rigorous imprisonment... | 3,972 | 338 | 5,801 | 300 | 4,032 | 116 | 1,259 | 35 | 629 | 12 | 566 | 8 | 208 | 3 | 1 | | 120 | 5 | 5 | | 94 | 7 | 16,687 | 824 | 17,511 |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | .. | .. | 26 | ... | 239 | 1 | 159 | ... | 165 | ... | 42 | .. | 7 | ... | | | | | . | | . | | 638 | 1 | 639 |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | 27 | ... | 86 | ... | 293 | ... | 94 | ... | 113 | . | 24 | | 2 | | .. | | | | | | | | 639 | | 639 |
| | | Total admissions ... | 4,390 | 407 | 6,088 | 328 | 4,600 | 125 | 1,527 | 37 | 915 | 12 | 638 | 8 | 218 | 3 | 1 | . | 120 | 5 | 5 | | 94 | 7 | 18,596 | 932 | 19,528 |
| | | Remaining on the 31st December * ... | 65 | 7 | 949 | 38 | 1,658 | 52 | 1,178 | 29 | 1,310 | 20 | 1,724 | 17 | 1,155 | 15 | 70 | 3 | 299 | 13 | 82 | 1 | 20 | | 8,510 | 195 | 8,705 |

* Classes A, B, C and D should be amalgamated for this total.

(29)—*Statement showing the convicts admitted into the jails and subsidiary jails of the Madras Presidency during the year* 1898 *and those remaining on the* 31*st December of that year, according to the nature and length of sentences*—continued.

| 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Numbers according to length of sentences. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | A. | | B. | | C. | | D. | | E. | | F. | | G. | | H. | | I. | | | | J. | | | | | | | | | |
| Serial number. | Jails. | Nature of imprisonment indicated by letters marking the four jail divisions. | Not exceeding 1 month. | | Above 1 month and not exceeding 3 months. | | Above 3 months and not exceeding 6 months. | | Above 6 months and not exceeding 1 year. | | Above 1 year and not exceeding 2 years. | | Above 2 years and not exceeding 5 years. | | Above 5 years and not exceeding 10 years. | | Exceeding 10 years. | | Sentenced to transportation beyond seas. | | | | Sentenced to death. | | Total. | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | *a.* For life. | | *b.* For a term | | | | | | | | | |
| | | | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | M. | F. | Total. | | | | |
| | *District*—cont. | A. Prisoners sentenced to simple imprisonment ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | | | | | | | | |
| | | B. Prisoners sentenced to rigorous imprisonment. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | ... | | | ... | | | | | | | |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | ... | . | . | | | | | | | | | | | | | |
| 19 | Criminal Leper Ward, Madras. | D. Prisoners sentenced to rigorous imprisonment with whipping. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | .. | | | | | | | | | | | | | |
| | | Total admissions ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | .. | ... | .. | ... | .. | .. | | | | | |
| | | Remaining on the 31st December * ... | ... | ... | ... | ... | 1 | ... | 1 | ... | 4 | ... | 3 | ... | 4 | ... | 1 | ... | 1 | . | .. | ... | .. | | | | 15 | . | 15 | | | | |
| | Total, Subsidiary Jails. | A. Prisoners sentenced to simple imprisonment ... | 2,466 | 752 | 21 | 5 | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | | | . | . | | | | | | | 2,487 | 757 | 3,244 | | | | |
| | | B. Prisoners sentenced to rigorous imprisonment. | 10,949 | 1,494 | 279 | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . | | | | | | | 11,228 | 1,499 | 12,727 | | | | |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | 31 | 2 | 9 | 3 | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | | .. | | | | | | | | 40 | 5 | 45 | | | | |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | 36 | ... | 29 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | | . | | | | | 65 | | 65 | | | | |
| | | Total admissions ... | 13,482 | 2,248 | 338 | 13 | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | .. | . | ... | .. | ... | .. | | | 13,820 | 2,261 | 16,081 | | | | |
| | | Remaining on the 31st December * ... | 211 | 14 | 149 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | ... | ... | .. | | | 360 | 15 | 375 | | | | |
| | Grand Total ... | A. Prisoners sentenced to simple imprisonment ... | 2,857 | 821 | 196 | 33 | 36 | 8 | 15 | 2 | 8 | ... | 6 | ... | 1 | ... | ... | ... | ... | .. | . | .. | ... | | | | 3,119 | 864 | 3,983 | | | | |
| | | B. Prisoners sentenced to rigorous imprisonment. | 14,921 | 1,832 | 6,080 | 305 | 4,032 | 116 | 1,259 | 35 | 629 | 12 | 566 | 8 | 208 | 3 | 1 | ... | 120 | 5 | 5 | .. | 94 | 7 | | | 27,915 | 2,323 | 30,238 | | | | |
| | | C. Prisoners sentenced to rigorous imprisonment with solitary confinement. | 31 | 2 | 35 | 3 | 239 | 1 | 159 | ... | 165 | ... | 42 | ... | 7 | ... | ... | ... | ... | . | . | ... | ... | .. | | | 678 | 6 | 684 | | | | |
| | | D. Prisoners sentenced to rigorous imprisonment with whipping. | 63 | ... | 115 | ... | 293 | ... | 94 | ... | 113 | ... | 24 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 704 | ... | 704 | | | | |
| | | Total admissions ... | 17,872 | 2,655 | 6,426 | 341 | 4,600 | 125 | 1,527 | 37 | 915 | 12 | 638 | 8 | 218 | 3 | 1 | ... | 120 | 5 | 5 | ... | 94 | 7 | | | 32,416 | 3,193 | †35,609 | | | | |
| | | Remaining on the 31st December * ... | 276 | 21 | 1,098 | 39 | 1,659 | 52 | 1,179 | 29 | 1,314 | 20 | 1,727 | 17 | 1,159 | 15 | 71 | 3 | 300 | 13 | 82 | 1 | 20 | ... | | | 8,885 | 210 | †9,095 | | | | |

* Classes A, B, C and D should be amalgamated for this total.

† Criminal lunatics are excluded from the classification.

# D.—PRISONS—*continued.*

(30)—*Statement showing the convicts admitted into the jails and subsidiary jails of the Madras Presidency during the year* 1898, *who had been previously convicted.*

| 1 | 2 | 3 | | | 4 | | | | | | | | | | 5 | | | 6 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Number previously convicted. | | | | | | | | | | | | | Juvenile prisoners under 16 years of age (Sec. 399, Criminal Procedure Code). | | | | | |
| | | | | | A. | | B. | | C. | | D. | | | | | | | A. | | | B. | | |
| | | | | | Once. | | Twice. | | More than twice. | | Total. | | | | | | | Number admitted during the year. | | | Number previously convicted. | | |
| Serial number. | Jails. | Number admitted during the year. | | | | | | | | | | | | | Ratio per cent. of column 4-D to column 3. | | | | | | | | |
| | | M. | F. | Total. | M. | F. | M. | F. | M. | F. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. |
| | *Central Jails.* | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Rajahmundry ... ... ... ... ... | 583 | 94 | 677 | 52 | 7 | 25 | 1 | 18 | ... | 95 | 8 | 103 | 16·30 | 8·51 | 15·21 | 4 | 1 | 5 | 1 | 1 | 2 |
| 2 | Vellore ... ... ... ... ... | 1,513 | 133 | 1,646 | 153 | 3 | 55 | 3 | 41 | 1 | 249 | 7 | 256 | 16·46 | 5·26 | 15·55 | 1 | 6 | 7 | . | | |
| 3 | Trichinopoly ... ... ... ... ... | 560 | ... | 560 | 62 | ... | 17 | ... | 27 | ... | 106 | ... | 106 | 18·93 | ... | 18·93 | 1 | . | 1 | 1 | | 1 |
| 4 | Coimbatore ... ... ... ... ... | 980 | 7 | 987 | 129 | 1 | 35 | ... | 39 | ... | 203 | 1 | 204 | 20·71 | 14·29 | 20·67 | 2 | 1 | 3 | . | | |
| 5 | Cannanore ... ... ... ... ... | 1,687 | 31 | 1,718 | 92 | 1 | 31 | ... | 20 | ... | 143 | 1 | 144 | 8·48 | 3·23 | 8·38 | 11 | . | 11 | 1 | | 1 |
| 6 | Salem ... ... ... ... ... | 654 | ... | 654 | 60 | ... | 20 | ... | 12 | ... | 92 | ... | 92 | 14·07 | ... | 14·07 | 8 | .. | 8 | 2 | | 2 |
| 7 | Penitentiary ... ... ... ... ... | 3,477 | 305 | 3,782 | 1,077 | 48 | 97 | 1 | 117 | 8 | 1,291 | 57 | 1,348 | 37·13 | 18·69 | 35·64 | 81 | 9 | 90 | 27 | 2 | 29 |
| | Total ... | 9,454 | 570 | 10,024 | 1,625 | 60 | 280 | 5 | 274 | 9 | 2,179 | 74 | 2,253 | 23·05 | 12·98 | 22·48 | 108 | 17 | 125 | 39 | 3 | 35 |
| | *District Jails.* | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... ... ... | 185 | ... | 185 | 29 | ... | 6 | ... | 1 | ... | 36 | ... | 36 | 19·46 | .. | 19·46 | 1 | ... | 1 | . | | |
| 9 | Berhampur ... ... ... ... ... | 658 | 40 | 698 | 48 | ... | 17 | ... | 12 | ... | 77 | ... | 77 | 11·70 | ... | 11·03 | 8 | 1 | 9 | . | | |
| 10 | Vizagapatam ... ... ... ... ... | 1,195 | 11 | 1,206 | 121 | ... | 52 | ... | 44 | ... | 217 | ... | 217 | 18·16 | ... | 17·99 | 2 | ... | 2 | 1 | | 1 |
| 11 | Nellore ... ... ... ... ... | 582 | 12 | 594 | 64 | ... | 14 | ... | 18 | ... | 96 | ... | 96 | 16·49 | ... | 16·16 | 1 | | 1 | . | | |
| 12 | Bellary ... ... ... ... ... | 1,198 | 74 | 1,272 | 105 | 4 | 24 | ... | 17 | 1 | 146 | 5 | 151 | 12·19 | 6·76 | 11·87 | 4 | 2 | 6 | 1 | | 1 |
| 13 | Cuddalore ... ... ... ... ... | 1,238 | 62 | 1,300 | 110 | 2 | 43 | ... | 52 | ... | 205 | 2 | 207 | 16·56 | 3·23 | 15·92 | 2 | . | 2 | 1 | | 1 |
| 14 | Tanjore ... ... ... ... ... | 852 | ... | 852 | 89 | ... | 26 | ... | 26 | ... | 141 | ... | 141 | 16·55 | .. | 16·55 | 8 | . | 8 | 4 | | 4 |
| 15 | Madura ... ... ... ... ... | 1,160 | 47 | 1,207 | 126 | 3 | 31 | 2 | 24 | 1 | 181 | 6 | 187 | 15·60 | 12·77 | 15·49 | 4 | 4 | 8 | | 1 | 1 |
| 16 | Palamcottah ... ... ... ... ... | 731 | ... | 731 | 55 | ... | 18 | ... | 11 | ... | 84 | ... | 84 | 11·49 | ... | 11·49 | 4 | | 4 | | | |
| 17 | Mangalore ... ... ... ... ... | 696 | 90 | 786 | 19 | 1 | 5 | ... | 6 | ... | 30 | 1 | 31 | 4·31 | 1·11 | 3·94 | 4 | 2 | 6 | | .. | |
| 18 | Guntur ... ... ... ... ... | 655 | 26 | 681 | 64 | 1 | 13 | ... | 3 | ... | 80 | 1 | 81 | 12·21 | 3·85 | 11·89 | 5 | .. | 5 | 1 | | 1 |
| | Total ... | 9,150 | 362 | 9,512 | 830 | 11 | 249 | 2 | 214 | 2 | 1,293 | 15 | 1,308 | 14·13 | 4·14 | 13·75 | 43 | 9 | 52 | 8 | 1 | 9 |
| | Total, Central and District Jails ... | 18,604 | 932 | 19,536 | 2,455 | 71 | 529 | 7 | 488 | 11 | 3,472 | 89 | 3,561 | 18·66 | 9·55 | 18·23 | 151 | 26 | 177 | 40 | 4 | 44 |
| | Subsidiary Jails ... ... ... ... | 13,820 | 2,261 | 16,081 | 699 | 29 | 107 | 7 | 80 | 19 | 886 | 55 | 941 | 6·41 | 2·43 | 5·85 | 225 | 120 | 345 | 3 | 1 | 4 |
| | Grand Total ... | 32,424 | 3,193 | 35,617 | 3,154 | 100 | 636 | 14 | 568 | 30 | 4,358 | 144 | 4,502 | 13·44 | 4·51 | 12·64 | 376 | 146 | 522 | 43 | 5 | 48 |

## D.—PRISONS—*continued.*

(31)—*Statement showing the escapes and recaptures of convicts in the jails and subsidiary jails of the Madras Presidency during the year* 1898.

| Serial number. | Jails. | 3 | 4 | | | 5 | | | 6 | | | 7 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Remaining uncaptured on the 31st December 1897 of those who escaped during the previous ten years. | Escaped during the year. | | | Recaptured during the year. | | | Remained uncaptured. | | | Unexpired portion of sentence of those who escaped during the year. | | |
| | | | A. | B. | C. | A. | B. | C. | A. | B. | C. | A. | B. | C. |
| | | | From inside the Jail. | From outside the Jail. | Total. | Of those who escaped in previous ten years. | Of those who escaped during the year. | Total. | Of previous years. | Of the year. | Total. | Under 1 year. | Above 1 and under 7 years. | Above 7 years. |
| | *Central Jails.* | | | | | | | | | | | | | |
| 1 | Rajahmundry | 10 | ... | 3 | 3 | ... | 1 | 1 | 10 | 2 | 12 | 2 | 1 | ... |
| 2 | Vellore | 2 | ... | ... | ... | ... | ... | ... | 2 | ... | 2 | ... | ... | ... |
| 3 | Trichinopoly | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4 | Coimbatore | 4 | 4 | ... | 4 | ... | 3 | 3 | 4 | 1 | 5 | ... | 3 | 1 |
| 5 | Cannanore | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... |
| 6 | Salem | 3 | ... | ... | ... | ... | ... | ... | 3 | ... | 3 | ... | ... | ... |
| 7 | Penitentiary | * | ... | 1 | 1 | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... |
| | Total | 20 | 4 | 4 | 8 | ... | 5 | 5 | 20 | 3 | 23 | 3 | 4 | 1 |
| | *District Jails.* | | | | | | | | | | | | | |
| 8 | Russellkonda | 1 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | ... | ... | ... |
| 9 | Berhampur | 2 | ... | ... | ... | ... | ... | ... | 2 | ... | 2 | ... | ... | ... |
| 10 | Vizagapatam | 2 | 3 | ... | 3 | ... | 3 | 3 | 2 | ... | 2 | 3 | ... | ... |
| 11 | Nellore | 1 | ... | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... |
| 12 | Bellary | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 13 | Cuddalore | ... | ... | 1 | 1 | ... | ... | ... | ... | 1 | 1 | 1 | ... | ... |
| 14 | Tanjore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15 | Madura | 3 | ... | 1 | 1 | ... | ... | ... | 3 | 1 | 4 | ... | 1 | ... |
| 16 | Palamcottah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 17 | Mangalore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 18 | Guntúr | ... | ... | 1 | 1 | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... |
| | Total | 9 | 3 | 3 | 6 | 1 | 3 | 4 | 8 | 3 | 11 | 4 | 2 | ... |
| | Total, Central and District Jails | 29 | 7 | 7 | 14 | 1 | 8 | 9 | 28 | 6 | 34 | 7 | 6 | 1 |
| 19 | Criminal Leper Ward, Madras | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Subsidiary Jails | 12 | 4 | 6 | 10 | 2 | 4 | 6 | 10 | 6 | 17 | 10 | ... | ... |
| | Grand Total | 41 | 11 | 13 | 24 | 3 | 12 | 15 | 38 | 12 | 51 | 17 | 6 | 1 |

* One struck off having escaped more than ten years ago.

# D.—PRISONS—*continued.*

(32)—*Statement showing the offences committed by the convicts and the punishments inflicted on them in the jails and subsidiary jails of the Madras Presidency during the year* 1898.

| 1 | 2 | 3 | 4 | 5 | | | | | | | | | | 6 | 7 | | | | | | | 8 | | | | | | | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Offences dealt with by Superintendents. | | | | | | | | | | | Punishments inflicted | | | | | | | Punishments inflicted | | | | | | | | | | |
| | | | | | | | | | | | | | | | By Superintendents. | | | | | | | By Superintendents. | | | | | | | | | | |
| | | | | | | | | | | | | | | | Minor. | | | | | | | Major. | | | | | | | | | | |
| | | | | *a.* | | *b.* | | *c.* | | *d.* | | *e.* | | | *a.* | *b.* | *c.* | *d.* | *e.* | *f.* | | *a.* | *b.* | *c.* | *d.* | *e.* | | *f.* | | | | |
| Serial number. | Jails. | Daily average population. | Offences dealt with by Criminal Courts. | Relating to work. | | Relating to prohibited articles. | | Relating to assaults, mutiny and escapes. | | All other breaches of jail rules. | | Total. | | By Criminal Courts. | Warnings. | Penal diet. | Separate, cellular and solitary confinement. | Hand-cuffing and link-fetters. | Other punishments. | Total. | Separate, cellular and solitary confinement. | Penal diet with solitary confinement. | Fetters and hand-cuffing behind or to a staple. | Corporal punishments. | Other punishments. Combination of minor punishments. | Others. | Total. | Grand total of punishments. | Ratio of column 7 (*f*) to column 3. | Ratio of column 8 (*f*) to column 3. | Ratio of column 9 to column 3. | Ratio of column 8 (*d*) to column 9. |
| | | | | Dealt with by major punishments. | Dealt with by minor punishments. | Dealt with by major punishments. | Dealt with by minor punishments. | Dealt with by major punishments. | Dealt with by minor punishments. | Dealt with by major punishments. | Dealt with by minor punishments. | Dealt with by major punishments. | Dealt with by minor punishments. | | | | | | | | | | | | | | | | | | | |
| | *Central Jails.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Rajahmundry ... ... | 491·36 | 2 | 75 | 113 | 53 | 53 | 1 | 3 | 95 | 187 | 194 | 356 | 2 | 85 | 47 | 2 | 128 | 94 | 356 | 42 | 2 | 69 | 3 | 76 | 2 | 194 | 552 | 72·45 | 39·48 | 112·4 | ·54 |
| 2 | Vellore ... ... | 1,158·89 | 3 | 870 | 1,276 | 44 | 174 | 26 | 33 | 59 | 150 | 999 | 1,633 | 3 | 928 | 3 | 98 | 161 | 443 | 1,633 | 20 | 3 | 223 | 16 | 716 | 19 | 999 | 2,632 | 140·91 | 86·20 | 227·7 | ·61 |
| 3 | Trichinopoly ... ... | 1,052·55 | .. | 332 | 689 | 82 | 322 | 31 | 36 | 102 | 181 | 547 | 1,228 | ... | 148 | 67 | 7 | 2 | 1,004 | 1,228 | 38 | 5 | 277 | 8 | 201 | 18 | 547 | 1,775 | 116·67 | 51·97 | 168·64 | ·45 |
| 4 | Coimbatore ... ... | 896·02 | 5 | 36 | 446 | 10 | 220 | 35 | 50 | 16 | 247 | 97 | 963 | 5 | 194 | 169 | 14 | 55 | 531 | 963 | 9 | 5 | 19 | 4 | 47 | 13 | 97 | 1,065 | 118·86 | 10·83 | 129·69 | ·18 |
| 5 | Cannanore ... ... | 746·23 | 4 | 8 | 407 | 3 | 206 | 4 | 61 | 12 | 326 | 27 | 1,000 | 4 | 363 | 43 | 55 | 103 | 436 | 1,000 | 11 | ... | 6 | 2 | 1 | 7 | 27 | 1,031 | 134·01 | 3·62 | 138·16 | ·19 |
| 6 | Salem ... ... ... | 554·91 | ... | 128 | 434 | 27 | 90 | 6 | 1 | 25 | 157 | 186 | 682 | ... | 355 | 149 | 14 | 18 | 146 | 682 | 8 | .. | 51 | 6 | 121 | .. | 186 | 868 | 122·80 | 33·52 | 156·32 | ·69 |
| 7 | Penitentiary ... ... | 857·02 | ... | 71 | 290 | 27 | 214 | 37 | 43 | 194 | 516 | 329 | 1,063 | ... | 354 | 34 | 7 | 41 | 627 | 1,063 | 9 | 51 | 173 | 7 | 77 | 12 | 329 | 1,392 | 124·03 | 38·39 | 162·42 | ·50 |
| | Total ... | 5,756·98 | 14 | 1,520 | 3,655 | 246 | 1,279 | 140 | 227 | 473 | 1,764 | 2,379 | 6,925 | 14 | 2,427 | 512 | 197 | 508 | 3,281 | 6,925 | 137 | 66 | 818 | 46 | 1,241 | 71 | 2,579 | 9,318 | 120·29 | 41·32 | 161·86 | ·49 |
| | *District Jails.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... | 80·61 | ... | 9 | 84 | 1 | 41 | ... | 3 | 11 | 101 | 21 | 229 | ... | 25 | 159 | ... | 22 | 23 | 229 | 2 | 5 | .. | . | 14 | .. | 21 | 250 | 284·08 | 26·05 | 310·14 | .. |
| 9 | Berhampur ... ... | 141·96 | ... | 48 | 120 | 13 | 31 | ... | ... | 22 | 99 | 83 | 250 | ... | 111 | 57 | 11 | 24 | 47 | 250 | 3 | . | 56 | 7 | 15 | . | 83 | 333 | 176·11 | 58·47 | 234·77 | 2·10 |
| 10 | Vizagapatam ... ... | 397·30 | 3 | 5 | 214 | 7 | 77 | 1 | 5 | 7 | 86 | 20 | 382 | 2 | 99 | 68 | 9 | 201 | 5 | 382 | 1 | 2 | 4 | 4 | 1 | 4 | 20 | 405 | 96·15 | 5·03 | 101·94 | ·99 |
| 11 | Nellore ... ... ... | 162·13 | ... | 112 | 190 | 35 | 42 | ... | ... | 34 | 56 | 181 | 288 | ... | 109 | 133 | 2 | 34 | 10 | 288 | ... | 6 | 170 | 1 | 2 | .. | 181 | 469 | 177·64 | 111·64 | 289·27 | ·21 |
| 12 | Bellary ... ... ... | 318·15 | ... | 32 | 181 | 4 | 31 | 1 | 1 | 10 | 62 | 47 | 275 | ... | 97 | 78 | 2 | 3 | 95 | 275 | 2 | ... | 8 | 12 | 7 | 26 | .. | 47 | 322 | 86·44 | 14·77 | 101·21 | 2·17 |
| 13 | Cuddalore ... ... | 366·07 | 2 | 82 | 385 | 5 | 94 | 5 | ... | 12 | 191 | 164 | 670 | 2 | 401 | 48 | 19 | 71 | 131 | 670 | 1 | 11 | 19 | 4 | 52 | 17 | 104 | 776 | 188·03 | 28·41 | 211·98 | ·52 |
| 14 | Tanjore ... ... ... | 307·97 | ... | 42 | 537 | 25 | 218 | 1 | 10 | 15 | 147 | 83 | 912 | ... | 350 | 54 | 65 | 266 | 177 | 912 | 1 | 21 | 38 | 1 | 21 | 1 | 83 | 995 | 296·13 | 29·95 | 325·08 | ·10 |
| 15 | Madura ... ... ... | 318·25 | ... | 52 | 251 | 18 | 48 | 1 | ... | 45 | 180 | 116 | 479 | ... | 145 | 60 | 8 | 106 | 160 | 479 | ... | 1 | 75 | 2 | 27 | 11 | 116 | 595 | 150·51 | 36·45 | 186·96 | ·54 |
| 16 | Palamcottah ... ... | 305·76 | ... | 182 | 424 | 18 | 33 | 4 | 5 | 62 | 239 | 266 | 701 | ... | 152 | 224 | ... | 5 | 320 | 701 | 6 | 27 | 118 | 4 | 107 | 4 | 266 | 967 | 229·26 | 87·00 | 316·26 | ·41 |
| 17 | Mangalore ... ... | 147·63 | ... | 1 | 291 | 1 | 24 | ... | 2 | 2 | 42 | 4 | 356 | ... | 156 | 133 | ... | 50 | 20 | 359 | ... | ... | 1 | 2 | ... | 1 | 4 | 363 | 243·18 | 2·71 | 245·88 | ·55 |
| 18 | Guntúr ... ... ... | 128·88 | ... | 5 | 47 | 12 | 20 | 1 | ... | 17 | 48 | 35 | 115 | ... | 38 | 35 | ... | 39 | 3 | 115 | ... | 1 | 26 | 1 | ... | 5 | 35 | 150 | 89·23 | 27·16 | 116·39 | ·67 |
| | Total ... | 2,674·71 | 5 | 570 | 2,724 | 139 | 659 | 14 | 26 | 237 | 1,251 | 960 | 4,660 | 5 | 1,683 | 1,049 | 116 | 821 | 991 | 4,660 | 16 | 82 | 521 | 33 | 265 | 43 | 960 | 5,625 | 174·22 | 35·89 | 210·30 | ·59 |
| | Total, Central and District Jails ... | 8,431·69 | 19 | 2,090 | 6,379 | 385 | 1,938 | 154 | 253 | 710 | 3,015 | 3,339 | 11,585 | 19 | 4,110 | 1,561 | 313 | 1,329 | 4,272 | 11,585 | 153 | 148 | 1339 | 79 | 1,506 | 114 | 3,339 | 14,943 | 137·40 | 39·60 | 177·22 | ·53 |
| 19 | Criminal Leper Ward, Madras ... ... ... | 15·76 | ... | ... | ... | ... | 7 | ... | ... | ... | 9 | ... | 16 | ... | 1 | 11 | ... | ... | 4 | 16 | ... | ... | ... | ... | ... | ... | ... | 16 | 101·52 | ... | 101·72 | ... |
| | Subsidiary Jails ... | 702·88 | 1 | 1 | ... | ... | ... | 3 | ... | 4 | 17 | 8 | 17 | 1 | 14 | 3 | ... | ... | ... | 17 | ... | ... | ... | 6 | 2 | ... | 8 | 26 | ·02 | ·01 | ·04 | 25 08 |
| | Grand Total ... | 9,150·33 | 20 | 2,091 | 6,379 | 385 | 1,945 | 157 | 253 | 714 | 3,041 | 3,347 | 11,618 | 20 | 4,125 | 1,575 | 313 | 1,329 | 4,276 | 11,618 | 153 | 148 | 1339 | 85 | 1,508 | 114 | 3,347 | 14,985 | 126·97 | 36·58 | 163·76 | ·57 |

# D.—PRISONS—*continued.*

(33)—*Statement showing the expenditure in guarding and maintaining the prisoners in the jails and subsidiary jails of the Madras Presidency during the year* 1898, *excluding the cost of building new jails, of additions, alterations, and repairs.*

| 1 | 2 | 3 | | | | 4 | | | | 5 | | | | | | 6 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Daily average number of prisoners. | | | | Establishment. | | | | Dieting charges. | | | | | | Hospital charges. | | |
| | | | | | | A. | B. | C. | D. | A. | B. | C. | D. | E. | F. | A. | B. | C. |
| Serial number. | Jails. | Convicts. | Under-trial. | Civil. | Total. | Permanent. | Temporary. | Total cost. | Cost per head of average strength. | Rations. | Miscellaneous dieting charges. | Garden and agricultural expenses. | Proportion of dairy expenses.* | Total cost. | Cost per head of average strength excluding civil prisoners. | Sick diet and extras for patients. | Extras or special diet for weekly invalids not in hospital. | Medicines, hospital bedding, clothing, &c. |
| | *Central Jails.* | | | | | Rs. | Rs. | Rs. | Rs. A. P. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. A. P. | Rs. | Rs. | Rs. |
| 1 | Rajahmundry ... ... ... ... | 491·36 | 1·86 | 9·00 | 502·22 | 22,892 | 779 | 23,671 | 47 2 1 | 20,169 | 154 | 82 | ... | 20,405 | 41 5 14 | 2 [illegible] | 240 | 1 897 |
| 2 | Vellore ... ... ... ... ... | 1,158·89 | ·45 | 8·62 | 1,167·96 | 22,174 | 866 | 23,040 | 19 11 8 | 33,986 | 867 | — 69 | .. | 54,784 | 29 15 5 | 1 817 | 77 | 1 [illegible] |
| 3 | Trichinopoly ... ... ... ... | 1,052·55 | ·57 | 9·41 | 1,062·53 | 26,205 | 404 | 26,609 | 25 0 8 | 32,349 | 222 | 38 | 4 | 32,613 | 30 15 0 | 1,117 | 149 | 6 2 |
| 4 | Coimbatore ... ... ... ... | 896·02 | 36·74 | 15·97 | 948·73 | 23,598 | 650 | 24,248 | 25 8 11 | 29,117 | 410 | 40 | .. | 29,567 | 31 11 2 | 1,709 | 56 | 866 |
| 5 | Cannanore ... ... ... ... | 746·23 | 1·04 | 14·26 | 760·53 | 19,466 | 213 | 19,679 | 25 14 0 | 25,265 | 53 | — 84 | . | 25,234 | 33 11 1 | 7·50 | | 41 |
| 6 | Salem ... ... ... ... ... | 554·91 | 30·25 | 2·79 | 587·95 | 20,391 | 134 | 20,525 | 34 14 7 | 16,762 | 30 | 28 | . | 16,820 | 28 11 5 | 211 | 117 | 563 |
| 7 | Penitentiary ... ... ... ... | 857·02 | 10·02 | 2·68 | 869·72 | 23,876 | 426 | 24,302 | 27 15 1 | 32,107 | 316 | 32 | .. | 32,455 | 37 6 8 | 1,[illegible]4 | 203 | 1 571 |
| | Total ... | 5,756·98 | 79·93 | 62·73 | 5,899·64 | 1,58,602 | 3,472 | 1,62,074 | 27 7 7 | 1,89,755 | 2,052 | 67 | 4 | 1,91,878 | 32 13 7 | 10,396 | 862 | 6 399 |
| | *District Jails.* | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... ... ... | 80·61 | 4·28 | ·12 | 85·01 | 3,772 | 2 | 3,774 | 44 6 4 | 2,933 | 27 | — 94 | ... | 2,866 | 33 12 5 | 113 | 3 | 117 |
| 9 | Berhampur ... ... ... ... | 141·96 | 8·20 | 2·24 | 152·40 | 5,157 | 295 | 5,452 | 35 12 5 | 4,857 | 58 | — 53 | ... | 4,892 | 32 5 4 | 144 | 6 | 169 |
| 10 | Vizagapatam ... ... ... ... | 397·30 | 7·73 | 1·00 | 406·03 | 6,822 | 316 | 7,138 | 17 9 3 | 10,893 | 206 | 32 | ... | 11,131 | 27 6 8 | 903 | 40 | 182 |
| 11 | Nellore ... ... ... ... ... | 162·13 | 12·46 | 1·24 | 175·83 | 4,298 | 138 | 4,436 | 25 3 8 | 5,368 | 32 | 8 | ... | 5,408 | 30 14 7 | 165 | 4 | 155 |
| 12 | Bellary ... ... ... ... ... | 318·15 | 37·49 | 5·34 | 360·98 | 7,126 | 945 | 8,071 | 22 5 9 | 11,218 | 32 | — 43 | ... | 11,207 | 31 8 1 | 101 | 13 | 148 |
| 13 | Cuddalore ... ... ... ... | 366·07 | 5·78 | 5·68 | 377·53 | 10,108 | 144 | 10,252 | 27 2 6 | 12,878 | 338 | — 7 | .. | 13,209 | 35 5 6 | 161 | 2 | 374 |
| 14 | Tanjore ... ... ... ... ... | 307·97 | 11·04 | 27·21 | 346·22 | 9,551 | 62 | 9,613 | 27 12 3 | 11,308 | 8 | — 27 | ... | 11,289 | 35 4 5 | 334 | 21 | 179 |
| 15 | Madura ... ... ... ... ... | 318·25 | 35·49 | 18·05 | 371·79 | 6,073 | 629 | 6,702 | 18 0 5 | 11,763 | 70 | — 68 | ... | 11,765 | 33 2 8 | 243 | 7 | 273 |
| 16 | Palamcottah ... ... ... ... | 305·76 | 18·77 | 16·18 | 340·71 | 6,515 | 198 | 6,713 | 19 11 3 | 12,091 | 60 | —252 | 4 | 11,903 | 36 7 3 | 568 | 50 | 220 |
| 17 | Mangalore ... ... ... ... | 147·63 | 13·15 | 8·40 | 169·18 | 4,464 | 600 | 5,064 | 29 14 11 | 5,021 | 58 | — 2 | ... | 5,077 | 31 9 3 | 143 | 13 | 220 |
| 18 | Guntúr ... ... ... ... ... | 128·88 | ... | ·20 | 129·08 | 2,995 | 18 | 3,013 | 23 5 6 | 3,890 | 173 | — 80 | ... | 3,893 | 30 3 4 | 100 | .. | 1,667 |
| | Total ... | 2,674·71 | 154·39 | 85·66 | 2,914·76 | 66,881 | 3,347 | 70, | 24 1 6 | 92,160 | 1,062 | —586 | 4 | 92,640 | 32 10 4 | 3,275 | 159 | 3,635 |
| 19 | Criminal Leper Ward, Madras ... | 15·76 | ... | ... | 15·76 | 658 | ... | 658 | 41 12 0 | 580 | 10 | 3 | ... | 593 | 37 10 0 | 218 | 29 | 14 |
| 20 | Civil Jail, Madras ... ... ... | ... | ... | 28·07 | 28·07 | 2,458 | ... | 2,458 | 87 9 1 | 28 | ... | ... | ... | 28 | ... | ... | 2 | 6 |
| | Total, Jails ... | 8,447·45 | 234·32 | 176·46 | 8,858·23 | 2,28,599 | 6,819 | 2,35,418 | 26 9 3 | 2,82,523 | 3,124 | —516 | 8 | 2,85,139 | 32 12 9 | 13,889 | 1,052 | 10,054 |
| | Subsidiary Jails ... ... ... | 702·88 | 1,365·13 | 10·18 | 2,078·19 | 15,084 | 75 | 15,159 | 7 4 9 | 82,468 | ... | ... | ... | 82,468 | 39 14 1 | 875 | ... | ... |
| | Grand Total ... | 9,150·33 | 1,599·45 | 186·64 | 10,936·42 | 2,43,683 | 6,894 | 2,50,577 | 22 14 7 | 3,64,991 | 3,124 | —516 | 8 | 3,67,607 | 34 2 6 | 14,764 | 1,052 | 10,054 |

* In arriving at the figures for these two columns the expenses, excluding those shown in column 13-H, are divided between the dieting and hospital charges in the proportion in which the produce of the dairy was used for the general dieting of the prisoners or for the sick and infirm.

# D.—PRISONS—*continued.*

(33)—*Statement showing the expenditure in guarding and maintaining the prisoners in the jails and subsidiary jails of the Madras Presidency, during the year* 1898, *excluding the cost of building new jails, of additions, alterations, and repairs*—continued.

| Serial number. | Jails. | 6—*cont* | | | | 7 | | 8 | | | | | 9 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hospital Charges—*cont.* | | | | Clothing and bedding of prisoners. | | Sanitation Charges. | | | | | Charges for moving prisoners. | | | |
| | | D. | E. | F. | G. | A. | B. | A. | B. | C. | D. | E. | A. | B. | C. | D. |
| | | Proportion of dairy expenses.* | Total cost. | Cost per head of average strength. | Cost per head of average number sick. | Total cost. | Cost per head of average strength, excluding civil prisoners. | Charges for conservancy, cleansing and purifying. | Charges for water-supply. | Extraordinary charges. | Total cost. | Cost per head of average strength. | Transfer charges and road subsistence of convicts. | Transportation charges. | Total cost. | Cost per head of average strength. |
| | *Central Jails.* | RS. | RS. | RS. A. P. | RS. A. P. | RS. | RS. A. P. | RS. | RS. | RS. | RS. | RS. A. P. | RS. | RS. | RS. | RS. A. P. |
| 1 | Rajahmundry ... ... ... ... | 60 | 5,765 | 11 7 8 | 92 6 8 | 1,944 | 3 15 1 | 155 | 844 | 1,265 | 2,264 | 4 8 2 | 4,482 | 181 | 4,663 | 9 4 7 |
| 2 | Vellore ... ... ... ... ... | 194 | 3,157 | 2 11 3 | 103 7 1 | 3,229 | 2 12 6 | 74 | 44 | ... | 118 | 0 1 7 | 2,419 | 289 | 2,708 | 5 5 1 |
| 3 | Trichinopoly ... ... ... ... | 53 | 1,951 | 1 13 5 | 85 12 9 | 3,048 | 2 14 3 | 40 | 781 | ... | 821 | 0 12 4 | 875 | 108 | 983 | 2 0 14 10 |
| 4 | Coimbatore ... ... ... ... | 171 | 2,272 | 2 6 4 | 126 1 4 | 3,356 | 3 9 7 | 94 | 227 | 13 | 334 | 0 5 8 | 2,185 | 290 | 2,475 | 5 9 9 |
| 5 | Cannanore ... ... ... ... | 1 | 1,252 | 1 10 4 | 57 9 5 | 2,205 | 2 15 3 | 51 | 77 | ... | 128 | 0 2 8 | 880 | 615 | 1,495 | 3 15 5 |
| 6 | Salem ... ... ... ... ... | 19 | 650 | 1 1 8 | 112 4 2 | 1,509 | 2 9 3 | 15 | 9 | ... | 24 | 0 0 8 | 1,274 | 397 | 1,671 | 4 13 6 |
| 7 | Penitentiary ... ... ... ... | ... | 3,108 | 3 9 2 | 130 13 10 | 3,792 | 4 5 11 | 334 | 2,282 | 48 | 2,664 | 3 1 0 | 1,216 | 594 | 1,810 | 4 1 4 |
| | Total ... | 498 | 18,155 | 3 1 3 | 92 2 8 | 19,083 | 3 4 3 | 763 | ,264 | 1,326 | 6,353 | 1 1 3 | 13,331 | 2,474 | 15,805 | 2 10 10 |
| | *District Jails.* | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... ... ... | ... | 233 | 2 11 10 | 98 5 0 | 218 | 2 9 0 | 3 | 6 | 92 | 101 | 1 3 0 | 85 | | 85 | 1 0 0 |
| 9 | Berhampur ... ... ... ... | ... | 319 | 2 1 6 | 80 8 11 | 571 | 3 12 5 | 10 | 21 | 26 | 57 | 0 6 0 | 492 | 108 | 600 | 3 15 0 |
| 10 | Vizagapatam ... ... ... ... | ... | 1,145 | 2 13 1 | 46 12 8 | 1,990 | 4 14 5 | 24 | 381 | ... | 405 | 1 0 0 | 1,407 | 36 | 1,443 | 3 8 10 |
| 11 | Nellore ... ... ... ... ... | ... | 304 | 1 11 8 | 68 14 11 | 363 | 2 1 2 | 134 | 5 | ... | 139 | 0 12 8 | 785 | 108 | 893 | 5 1 3 |
| 12 | Bellary ... ... ... ... ... | ... | 562 | 1 8 11 | 58 13 7 | 795 | 2 3 9 | 19 | 16 | 5 | 40 | 0 1 3 | 2,099 | 470 | 2,569 | 7 1 10 |
| 13 | Cuddalore ... ... ... ... ... | ... | 717 | 1 14 5 | 101 2 1 | 964 | 2 9 3 | 11 | 69 | 37 | 117 | 0 5 0 | 761 | 145 | 906 | 2 6 5 |
| 14 | Tanjore ... ... ... ... ... | ... | 525 | 1 8 3 | 77 10 7 | 449 | 1 6 5 | 7 | 68 | ... | 75 | 0 3 6 | 340 | | 340 | 0 15 9 |
| 15 | Madura ... ... ... ... ... | ... | 503 | 1 5 8 | 83 4 5 | 810 | 2 4 6 | 10 | 16 | ... | 26 | 0 1 1 | 763 | 145 | 908 | 2 7 1 |
| 16 | Palamcottah ... ... ... ... | 2 | 620 | 1 13 1 | 79 12 8 | 723 | 2 3 5 | 28 | 63 | ... | 91 | 0 4 3 | 770 | 325 | 1,095 | 3 3 5 |
| 17 | Mangalore ... ... ... ... ... | ... | 376 | 2 3 7 | 107 6 10 | 292 | 1 13 1 | 17 | 203 | ... | 220 | 1 4 10 | 198 | 36 | 234 | 1 6 2 |
| 18 | Guntúr ... ... ... ... ... | ... | 1,767 | 13 11 0 | 1,202 0 8 | 1,097 | 8 8 2 | 60 | 43 | ... | 103 | 0 12 9 | 497 | | 497 | 3 13 7 |
| | Total ... | 2 | 7,071 | 2 6 10 | 91 5 11 | 8,272 | 2 14 8 | 323 | 891 | 160 | 1,374 | 0 7 7 | 8,197 | 1,373 | 9,570 | 3 4 6 |
| 19 | Criminal Leper Ward, Madras ... | ... | 261 | 16 9 0 | ... | 35 | 2 3 6 | 12 | 1 | ... | 13 | 0 13 2 | 35 | | 35 | 2 3 6 |
| 20 | Civil Jail, Madras ... ... ... | ... | 8 | 0 4 7 | 133 5 4 | ... | ... | 52 | 119 | ... | 171 | 6 1 6 | | | | |
| | Total, Jails ... | 500 | 25,495 | 2 14 1 | 97 2 8 | 27,390 | 3 2 5 | 1,150 | 5,275 | 1,486 | 7,911 | 0 14 3 | 21,563 | 3,847 | 25,410 | 2 13 11 |
| | Subsidiary Jails ... ... ... ... | ... | 875 | 0 6 9 | 27 14 10 | 2,594 | 1 4 1 | 2,033 | 253 | 179 | 2,465 | 1 3 0 | 11,488 | ... | 11,488 | 5 8 5 |
| | Grand Total ... | 500 | 26,370 | 2 6 7 | 89 12 6 | 29,984 | 2 12 7 | 3,183 | 5,528 | 1,665 | 10,376 | 0 15 2 | 33,051 | 3,847 | 36,898 | 3 6 0 |

* In arriving at the figures for these two columns the expenses, excluding those shown in column 13-H, are divided between the dieting and hospital charges in the proportion in which the produce of the dairy was used for the general dieting of the prisoners or for the sick and infirm.

## D.—PRISONS—*continued.*

(33)—*Statement showing the expenditure in guarding and maintaining the prisoners in the jails and subsidiary jails of the Madras Presidency during the year* 1898, *excluding the cost of building new jails, of additions, alterations, and repairs*—continued.

| Serial number. | Jails. | 10 | | | | | | | | 11 | | 12 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Charges for other miscellaneous services and supplies. | | | | | | | | Travelling allowances. | | Contingencies. | | | | | | | |
| | | A. | B. | C. | D. | E. | F. | G. | H. | A. | B. | A. | B. | C. | D. | E. | F. | G. | H. |
| | | For lighting. | Disciplinary charges. | Annual expenses for uniform and accoutrements of warders. | Money payments as reward for recaptures and services. | Execution charges. | Other miscellaneous charges. | Total cost. | Cost per head of average strength. | Total cost. | Cost per head of average strength. | Rents, rates and taxes. | Service postage. | Telegrams and telephone charges. | Current office expenses (including country stationery). | Office furniture. | Charges for registers and stationery (Stationery Department charges). | Total cost. | Cost per head of average strength. |
| | *Central Jails.* | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. A. P. | RS. | RS. A. P. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. A. P. |
| 1 | Rajahmundry ... ... ... ... | 291 | 90 | 757 | 99 | 14 | 336 | 1,587 | 3 2 7 | 887 | 1 12 3 | | 180 | 57 | 43 | 1 | 53 | 334 | 0 10 8 |
| 2 | Vellore ... ... ... ... ... | 258 | 21 | 942 | 370 | 20 | 110 | 1,721 | 1 7 7 | 333 | 0 4 7 | . | 184 | 13 | 44 | 42 | 54 | 357 | 0 4 7 |
| 3 | Trichinopoly ... ... ... ... | 234 | 65 | 503 | 306 | 6 | 34 | 1,148 | 1 1 3 | 97 | 0 1 6 | | 126 | 5 | 5 | | 27 | 157 | 0 2 4 |
| 4 | Coimbatore ... ... ... ... | 281 | 14 | 405 | 475 | 8 | 104 | 1,287 | 1 5 8 | 162 | 0 2 9 | | 125 | 14 | 12 | 15 | 33 | 199 | 0 3 4 |
| 5 | Cannanore ... ... ... ... | 215 | 25 | 908 | 231 | 10 | 106 | 1,495 | 1 15 5 | 516 | 0 10 10 | | 165 | 13 | 9 | 30 | 38 | 255 | 0 5 4 |
| 6 | Salem ... ... ... .. ... | 110 | ... | 509 | 259 | 2 | 34 | 914 | 1 8 11 | 174 | 0 4 9 | .. | 85 | 11 | 12 | ... | 27 | 135 | 0 3 8 |
| 7 | Penitentiary ... ... ... ... | 580 | 106 | 923 | 242 | 4 | 146 | 2,001 | 2 4 10 | 250 | 0 4 7 | 2,085 | 283 | 35 | 52 | 8 | 556 | 2,919 | 3 5 8 |
| | Total ... | 1,969 | 321 | 4,047 | 1,982 | 64 | 870 | 10,153 | 1 11 6 | 2,419 | 0 6 7 | 2,085 | 1,142 | 148 | 177 | 96 | 688 | 4,936 | 0 11 9 |
| | *District Jails.* | | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... ... ... | 65 | 3 | 78 | 5 | ... | 36 | 187 | 2 3 2 | 1 | 0 0 2 | 15 | 37 | 12 | 2 | . | 36 | 102 | 1 3 9 |
| 9 | Berhampur ... ... ... ... | 109 | 13 | 81 | 5 | 10 | 68 | 277 | 1 13 1 | 261 | 1 11 5 | .. | 70 | 6 | 9 | .. | 1 | 86 | 0 9 0 |
| 10 | Vizagapatam ... ... ... ... | 190 | 41 | 248 | 24 | 6 | 153 | 662 | 1 10 1 | 108 | 0 4 3 | 391 | 98 | 17 | 1 | | 19 | 526 | 1 4 9 |
| 11 | Nellore ... ... ... ... ... | 79 | 17 | 121 | 3 | 5 | 17 | 242 | 1 6 0 | 148 | 0 13 6 | 48 | 52 | 5 | 4 | | 13 | 122 | 0 11 1 |
| 12 | Bellary ... ... ... ... ... | 93 | 19 | 361 | 81 | 3 | 35 | 592 | 1 10 3 | 103 | 0 4 7 | 450 | 107 | 9 | 4 | 1 | 24 | 595 | 1 10 4 |
| 13 | Cuddalore ... ... ... ... ... | 74 | 39 | 384 | 115 | 8 | 47 | 667 | 1 12 3 | 69 | 0 2 11 | . | 160 | 6 | 27 | 3 | 25 | 221 | 0 9 4 |
| 14 | Tanjore ... ... ... ... ... | 60 | ... | 209 | 59 | 2 | 23 | 353 | 1 0 4 | 141 | 0 6 6 | . | 105 | 3 | 8 | . | 4 | 123 | 0 5 8 |
| 15 | Madura ... ... ... ... ... | 123 | 11 | 221 | 13 | 16 | 149 | 533 | 1 6 11 | 11 | 0 0 6 | 235 | 80 | 11 | 1 | | 14 | 341 | 0 14 8 |
| 16 | Palamcottah ... ... ... ... | 70 | 19 | 326 | 49 | 3 | 87 | 554 | 1 10 0 | 38 | 0 1 9 | 18 | 104 | 5 | 28 | 2 | 19 | 176 | 0 8 3 |
| 17 | Mangalore ... ... ... ... ... | 90 | 2 | 262 | 4 | . | 68 | 426 | 2 8 3 | 60 | 0 5 8 | 96 | 35 | 1 | 4 | 4 | 13 | 153 | 0 14 6 |
| 18 | Guntúr ... ... ... ... ... | 63 | 17 | 140 | 9 | ... | 67 | 296 | 2 4 9 | 240 | 1 13 9 | ... | 56 | 24 | 8 | 60 | 235 | 383 | 2 15 6 |
| | Total ... | 1,007 | 181 | 2,431 | 367 | 53 | 750 | 4,789 | 1 10 3 | 1,180 | 0 6 6 | 1,253 | 904 | 99 | 96 | 70 | 406 | 2,828 | 0 15 6 |
| 19 | Criminal Leper Ward, Madras ... | 19 | 5 | 32 | 1 | ... | 6 | 63 | 4 0 0 | 18 | 1 2 3 | | 10 | 1 | 1 | 72 | 8 | 92 | 5 13 5 |
| 20 | Civil Jail, Madras ... ... ... | 81 | ... | 47 | ... | ... | .. | 128 | 4 9 0 | ... | . . | 329 | 15 | | | 1 | 7 | 352 | 12 8 8 |
| | Total, Jails ... | 3,076 | 507 | 7,457 | 2,350 | 117 | 1,626 | 15,133 | 1 11 4 | 3,617 | 0 6 6 | 3,667 | 2,071 | 248 | 274 | 239 | 1,109 | 7,608 | 0 13 9 |
| | Subsidiary Jails ... ... ... .. | 4,271 | 381 | 114 | 20 | ... | 680 | 5,466 | 2 10 1 | 59 | 0 0 5 | 395 | 19 | 28 | 131 | 39 | 40 | 652 | 0 4 9 |
| | Grand Total ... | 7,347 | 888 | 7,571 | 2,370 | 117 | 2,306 | 20,599 | 1 14 2 | 3,676 | 0 5 5 | 4,062 | 2,090 | 276 | 405 | 278 | 1,149 | 8,260 | 0 12 1 |

# D.—PRISONS—*continued.*

(33)—*Statement showing the expenditure in guarding and maintaining the prisoners in the jails and subsidiary jails of the Madras Presidency during the year* 1898, *excluding the cost of building new jails, of additions, alterations, and repairs*—continued.

| Serial number. | Jails. | 13 — Extraordinary charges for live-stock and tools and plant likely to last for 3 years and upwards. | | | | | | | | | | | 14 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A. | B. | C. | D. | E. | F. | G. | H. | I. | J. | K. | L. | Grand total of expenditure. | Total cost per head of average strength. |
| | | Conservancy and water-supply dead-stock. | Dietary dead-stock. | Hospital dead-stock. | Garden and agricultural plant. | Lighting dead-stock. | Disciplinary dead-stock. | Arms and accoutrements (original cost). | Dairy live-stock and plant (excluding maintenance). | Draught cattle (excluding keep, which goes under 10 F.). | Other miscellaneous dead-stock. | Total cost. | Cost per head of average strength. | | |
| | *Central Jails.* | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | | Rs. | Rs. | Rs. A. P. | Rs. | Rs. A. P. |
| 1 | Rajahmundry | 260 | 125 | ... | — 1 | 31 | 607 | ... | — 30 | .. | 91 | 1,083 | 2 2 6 | 62,603 | 124 10 5 |
| 2 | Vellore | 223 | 335 | 20 | 57 | 169 | 339 | ... | 111 | ... | .. | 1,254 | 1 1 2 | 70,681 | 60 8 3 |
| 3 | Trichinopoly | 618 | 96 | — 4 | ... | ... | 134 | ... | ... | . | 315 | 1,159 | 1 1 5 | 68,586 | 64 8 10 |
| 4 | Coimbatore | 1,053 | 731 | ... | ... | ... | 85 | ... | 30 | .. | ... | 1,899 | 2 0 0 | 65,799 | 69 5 8 |
| 5 | Cannanore | 125 | 158 | — 4 | ... | ... | 36 | 3 | 3 | ... | 10 | 325 | 0 6 10 | 52,584 | 69 2 3 |
| 6 | Salem | 841 | 31 | ... | 43 | 13 | 7 | ... | ... | ... | 6 | 946 | 1 9 9 | 43,368 | 73 12 2 |
| 7 | Penitentiary | 59 | 338 | 7 | 1 | 204 | 107 | ... | ... | ... | . | 716 | 0 13 2 | 74,017 | 85 1 8 |
| | Total | 3,179 | 1,814 | 19 | 100 | 422 | 1,315 | 3 | 108 | . | 422 | 7,382 | 1 4 9 | 4,37 638 | 74 2 11 |
| | *District Jails.* | | | | | | | | | | | | | | |
| 8 | Russellkonda | ... | 37 | ... | ... | ... | 56 | ... | — 1 | . | | 92 | 1 1 4 | 7,679 | 91 1 6 |
| 9 | Berhampur | 286 | 3 | ... | ... | ... | 20 | ... | .. | . . | 58 | 367 | 2 6 6 | 12,882 | 84 8 5 |
| 10 | Vizagapatam | 17 | 115 | .. | ... | 50 | 42 | ... | ... | ... | | 254 | 0 10 0 | 24,802 | 61 1 4 |
| 11 | Nellore | ... | 24 | ... | ... | ... | 19 | ... | ... | ... | — 3 | 40 | 0 3 8 | 12,695 | 68 12 7 |
| 12 | Bellary | 132 | 4 | — 4 | .. | 88 | 7 | ... | .. | . | 2 | 225 | 0 10 0 | 24,759 | 68 9 5 |
| 13 | Cuddalore | 248 | 56 | ... | ... | ... | 116 | ... | ... | . | . | 420 | 1 1 10 | 27,542 | 72 15 3 |
| 14 | Tanjore | ... | 2 | ... | .. | 57 | 32 | ... | | . | | 91 | 0 4 2 | 22,369 | 66 6 10 |
| 15 | Madura | 91 | 67 | ... | 4 | ... | 12 | ... | ... | ... | . | 174 | 0 7 6 | 21,773 | 58 9 0 |
| 16 | Palamcottah | 368 | 83 | ... | 5 | .. | ... | ... | 69 | .. | 1 | 526 | 1 8 5 | 22 459 | 65 13 9 |
| 17 | Mangalore | 87 | . | 6 | 11 | | 36 | ... | ... | | | 140 | 0 15 3 | 12,042 | 71 2 10 |
| 18 | Guntúr | ... | 98 | 6 | ... | 2 | 12 | ... | . | ... | 29 | 147 | 1 2 3 | 11,456 | 88 9 6 |
| | Total | 1,229 | 519 | 8 | 20 | 197 | 352 | .. | 68 | ... | 83 | 2 476 | 0 13 7 | 2,00,428 | 68 12 3 |
| 19 | Criminal Leper Ward, Madras | ... | 5 | ... | .. | ... | 6 | .. | | | | 11 | 0 11 2 | 1,779 | 112 14 1 |
| 20 | Civil Jail, Madras | ... | ... | ... | . | .. | ... | .. | . | | | . | | 5,145 | 112 0 8 |
| | Total, Jails | 4,408 | 2,338 | 27 | 120 | 619 | 1,673 | 3 | 176 | | 505 | 9,859 | 1 1 10 | 6,42 980 | 72 9 5 |
| | Subsidiary Jails | 204 | 71 | 127 | 63 | 37 | 170 | . | 3 | . | 80 | 755 | 0 5 10 | 1,21 984 | 18 11 5 |
| | Grand Total | 4,612 | 2,109 | 154 | 183 | 656 | 1,843 | 3 | 179 | ... | 585 | 10,624 | 0 15 7 | 7,64,971 | 69 15 2 |

| | Inspector-General of Prisons. | Establishment. | Travelling allowances. | Contingencies. | Total. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Office of the Inspector-General of Prisons | 22,594 | 10,808 | 2,917 | * 2,200 | 38,519 |

* Includes Rs. 724, Stationery Department charges.

# D.—PRISONS—*continued.*

(34)—*Statement showing the employment of convicts in the jails and subsidiary jails of the Madras Presidency during the year* 1898.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | 9 | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Average number employed on working days. | | | | | | | | | | | | | Ratio per cent on column 4 of those employed on working days as | | |
| | | | | | | | On prison duties. | | | | | | On jail buildings. | | | | | | | | | |
| | | | | | | | | | | | | | Additions and alterations. | | New jails. | | | | | | | |
| Serial number. | Jails. | Average number not sentenced to labour. | Average number under sentence of labour on working days. | Average number sick. | Average number, convalescent and infirm. | Average number not employed for other reasons.* | A. On unremunerative labour. | B. Prison officers. | C. Prison servants. | D. Gardening. | E. Employed in preparing articles for use or consumption in jails, *e.g.*, wheat-grinding, manufacturing of prison clothing, &c. | F. Jail repairs. | G. Under Superintendent. | H. Under Public Works Department. | I. Under Superintendent. | J. Under Public Works Department. | K. Manufactures. | L. Public Works.—(a) Jails. (b) Other extramural labour | | Number of prisoners hired out to Municipalities, private individuals or departments, other than Public Works Department. | Prison officers. | Prison servants. | On the above (A–K). |
| | *Central Jails.* | | | | | | | | | | | | | | | | | | | | | |
| 1 | Rajahmundry ... ... | 4·33 | 486·51 | 61·87 | 20·89 | 28·76 | ... | 25·50 | 72·85 | 38·44 | 66·59 | 54·81 | 45·46 | 2·50 | . | | 68·94 | | | | 5·24 | 14·97 | 14·15 |
| 2 | Vellore ... ... ... | 15·09 | 1,144·14 | 30·27 | 81·86 | 9·63 | ... | 68·18 | 73·86 | 62·68 | 176·91 | 22·61 | 16·14 | . | | | 522·09 | | | | 5·96 | 6·46 | 45·69 |
| 3 | Trichinopoly ... ... | 4·06 | 1,048·73 | 22·63 | 64·13 | 14·57 | ... | 77·50 | 68·21 | 96·71 | 305·64 | 30·65 | 39·24 | ·51 | | | 328·94 | | | | 7·39 | 6·50 | 31·37 |
| 4 | Coimbatore ... ... | 3·42 | 893·46 | 17·49 | 31·56 | 9·01 | .. | 90·65 | 78·57 | 65·03 | 103·05 | 28·53 | | ·06 | | | 465·92 | | | 3·59 | 16·15 | 8·79 | 52·14 |
| 5 | Cannanore ... ... | 10·01 | 726·76 | 21·35 | 73·90 | 38·44 | ... | 41·28 | 58·97 | 78·88 | 94·64 | 17·51 | 10·54 | 3·23 | | . | 297·89 | | | 13 | 5·60 | 8·09 | 40·45 |
| 6 | Salem ... ... | 3·11 | 551·92 | 5·56 | 33·74 | 7·36 | ... | 44·08 | 48·70 | 31·27 | 54·36 | 28·76 | 2·03 | | | | 295·46 | | | | 7·99 | 8·82 | 58·58 |
| 7 | Penitentiary ... ... | 5·24 | 852·54 | 23·75 | 26·05 | 65·41 | ... | 70·80 | 63·14 | 22·78 | 49·26 | 6·36 | 5·81 | ·45 | | | 518·73 | | | | 8·30 | 7·41 | 60·85 |
| | Total ... | 45·26 | 5,714·06 | 182·92 | 332·13 | 173·18 | ... | 417·99 | 464·30 | 395·79 | 851·05 | 189·23 | 199·22 | 6·75 | | | 2,497·78 | | | 3·72 | 7·39 | 8·13 | 43·71 |
| | *District Jails.* | | | | | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... | 2·18 | 78·51 | 2·11 | ·78 | 5·19 | ... | 1·23 | 6·52 | 20·55 | 7·01 | 2·18 | 3·98 | | | . | 28·96 | | | | 1·57 | 8·30 | 56·89 |
| 9 | Berhampur ... ... | 5·91 | 136·25 | 3·53 | 5·61 | 8·15 | ... | ·62 | 12·79 | 38·00 | 25·65 | 18·33 | 1·05 | | | | 22·52 | | | | ·46 | 9·39 | 16·53 |
| 10 | Vizagapatam ... ... | 8·13 | 389·26 | 23·86 | 19·07 | 5·17 | ... | 11·48 | 39·04 | 46·54 | 65·84 | 3·28 | 10·04 | ... | .. | | 164·94 | | | | 2·95 | 10·03 | 49·37 |
| 11 | Nellore ... ... ... | 2·80 | 159·51 | 4·34 | 4·06 | 5·27 | ... | 6·74 | 14·90 | 27·98 | 24·20 | 19·71 | 18·67 | | .. | . | 33·64 | | | | 4·24 | 9·34 | 21·09 |
| 12 | Bellary ... ... ... | 19·60 | 298·11 | 8·57 | 6·61 | 5·16 | ... | 13·06 | 27·05 | 20·92 | 32·34 | 11·54 | 12·63 | .. | .. | .. | 160·23 | | | | 4·38 | 9·07 | 53·75 |
| 13 | Cuddalore ... ... | 6·59 | 359·54 | 6·85 | 11·96 | 4·56 | ... | 21·95 | 28·76 | 36·37 | 47·09 | ·79 | ... | ... | 147·02 | | 52·89 | . | . | 1·80 | 6·11 | 8·00 | 14·57 |
| 14 | Tanjore ... ... ... | 3·00 | 305·27 | 6·60 | 19·69 | 12·18 | ... | 14·86 | 22·26 | 23·02 | 28·37 | 6·05 | 24·61 | . | . | .. | 147·64 | . | | | 4·87 | 7·29 | 48·36 |
| 15 | Madura ... ... ... | 5·79 | 312·66 | 5·66 | 17·91 | 4·93 | ... | 16·14 | 29·39 | 53·41 | 79·23 | 15·44 | 18·71 | . | . . | | 71·84 | ... | | | 5·16 | 9·40 | 22·98 |
| 16 | Palamcottah ... ... | 4·70 | 301·13 | 7·74 | 29·00 | 16·25 | ... | 22·03 | 28·96 | 26·65 | 35·18 | 5·83 | 1·24 | ... | . . | ... | 128·30 | | | | 7·31 | 9·62 | 42·60 |
| 17 | Mangalore ... ... | 4·54 | 143·01 | 3·38 | 6·38 | 4·07 | ... | 2·33 | 15·64 | 13·14 | 32·79 | 4·08 | 7·55 | ... | ... | . . | 53·65 | ... | | | 1·63 | 10·94 | 37·51 |
| 18 | Guntúr ... ... | 5·41 | 124 27 | 1·50 | 3·50 | 15·04 | ... | 6·35 | 11·65 | 27·07 | 37·46 | 8·35 | 3·02 | | ... | ... | 10·21 | ... | | ·12 | 5 11 | 9·37 | 8·22 |
| | Total ... | 68·95 | 2,607·57 | 74·14 | 124·57 | 85·97 | ... | 116·79 | 236·96 | 333·65 | 415·16 | 95·57 | 101·50 | ... | 147·02 | ... | 874·32 | . | . | 1·92 | 4·48 | 9·09 | 33·53 |
| 19 | Criminal Leper Ward, Madras ... ... | ·21 | 15·54 | ... | ·66 | 1·51 | ... | 1·98 | ... | 11·39 | ... | ... | ... | ... | ... | ... | . . | . | | | 12·74 | | . |
| | Total, Jails ... | 114·42 | 8,337·17 | 257·06 | 457·36 | 260·66 | ... | 536·76 | 701·26 | 740·83 | 1,266·21 | 284·80 | 300·72 | 6·75 | 147·02 | ... | 3,372·10 | . | .. | 5·64 | 6·44 | 8·41 | 40·45 |
| | Subsidiary Jails ... | 69·21 | 637·57 | 21·69 | 1·13 | 114·44 | ... | ... | 2·26 | 324·37 | 72·88 | 7·93 | ... | ... | ... | ... | 92·87 | ... | ... | . | ... | ·35 | 14·57 |
| | Grand Total ... | 183·63 | 8,974·74 | 278·75 | 458·49 | 375·10 | ... | 536·76 | 703·52 | 1,065·20 | 1,339·09 | 292·73 | 300·72 | 6·75 | 147·02 | ... | 3,464·97 | ... | ... | 5·64 | 5·98 | 7·84 | 38·61 |

*E.g.*, as being *en route* on penal diet, in quarantine, &c.

## D.—PRISONS—*continued.*

(35)—*Statement showing the net cost of the prisoners in the jails and subsidiary jails of the Madras Presidency during the year* 1898.

| Serial number. | Jails. | Total cost of maintenance (column 14, Statement 33). | Average cost of maintenance per head (column 14, Statement 33). | Total cash earnings. | Average cash earnings per head of average strength. | Net cost to Government (column 3, *minus* column 5). | Average net cost per head of average strength (column 4, *minus* column 6). |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | *Central Jails.* | Rs. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. |
| 1 | Rajahmundry ... .. ... ... ... | 62,603 | 124 10 | 6,341 13 | 12 10 | 56,261 3 | 112 0 |
| 2 | Vellore ... ... ... ... ... ... | 70,681 | 60 8 | 54,560 3 | 46 11 | 16,120 13 | 13 13 |
| 3 | Trichinopoly ... .. ... ... ... | 68,586 | 64 9 | 12,371 3 | 11 10 | 56,214 13 | 52 15 |
| 4 | Coimbatore ... ... ... ... ... | 65,799 | 69 6 | 34,282 15 | 36 2 | 31,516 1 | 33 4 |
| 5 | Cannanore ... ... ... ... ... | 52,584 | 69 2 | 11,798 14 | 15 8 | 40,785 2 | 53 10 |
| 6 | Salem ... ... ... ... ... ... | 43,368 | 73 12 | 6,203 5 | 10 9 | 37,164 11 | 63 3 |
| 7 | Penitentiary ... ... ... ... ... | 74,017 | 85 2 | 19,690 6 | 22 10 | 54,326 10 | 62 8 |
| | Total ... | 4,37,638 | 74 3 | 1,45,248 11 | 24 10 | 2,92,389 5 | 49 9 |
| | *District Jails.* | | | | | | |
| 8 | Russellkonda ... ... ... ... ... | 7,659 | 90 1 | 1,041 5 | 12 4 | 6,617 11 | 77 13 |
| 9 | Berhampur ... ... ... ... ... | 12,882 | 84 8 | 951 12 | 6 4 | 11,930 4 | 78 4 |
| 10 | Vizagapatam ... ... ... ... ... | 24,802 | 61 1 | 4,975 15 | 12 4 | 19,826 1 | 48 13 |
| 11 | Nellore ... ... ... ... ... | 12,095 | 68 13 | 448 5 | 2 9 | 11,646 11 | 66 4 |
| 12 | Bellary ... ... ... ... ... | 24,759 | 68 9 | 8,010 14 | 22 3 | 16,748 2 | 46 6 |
| 13 | Cuddalore ... ... ... ... ... | 27,542 | 72 15 | 1,538 15 | 4 1 | 26,003 1 | 68 14 |
| 14 | Tanjore ... ... ... ... ... | 22,992 | 66 7 | 12,462 12 | 36 0 | 10,530 4 | 30 7 |
| 15 | Madura ... ... ... ... ... | 21,773 | 58 9 | 769 13 | 2 1 | 21,003 3 | 56 8 |
| 16 | Palamcottah ... ... ... ... ... | 22,439 | 65 14 | 11,144 13 | 32 11 | 11,294 3 | 33 3 |
| 17 | Mangalore ... ... ... ... ... | 12,042 | 71 3 | 472 5 | 2 13 | 11,569 11 | 68 6 |
| 18 | Guntúr ... ... ... ... ... | 11,436 | 88 9 | ... | ... | 11,436 0 | 88 9 |
| | Total ... | 2,00,428 | 68 12 | 41,665 12 | 14 5 | 1,58,762 4 | 54 7 |
| 19 | Criminal Leper Ward ... ... ... ... | 1,779 | 112 14 | ... | ... | 1,779 0 | 112 14 |
| 20 | Civil Jail ... ... ... ... ... ... | 3,145 | 112 1 | ... | ... | 3,145 0 | 112 1 |
| | Total, Jails ... | 6,42,990 | 72 9 | 1,83,914 7 | 21 2 | 4,56,075 9 | 51 7 |
| | Subsidiary Jails ... ... ... ... | 1,21,981 | 58 11 | 744 7 | 0 6 | 1,21,236 9 | 58 5 |
| | Grand Total ... | 7,64,971 | 69 15 | 1,87,658 14 | 17 2 | 5,77,312 2 | 52 13 |

## D.—PRISONS—

(36)—*Statement showing the sickness and mortality among prisoners of all classes in the*

| Serial number. | Jails. | Classes of prisoners. | Number of persons that can be accommodated in the parts of the jails devoted to convicts, under-trial and civil prisoners, respectively, but exclusive of hospital and observation cells. | | | Average daily strength. | | | Maximum population on any one day. | | | Number admitted into hospital. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. |
| | *Central Jails.* | | | | | | | | | | | | | |
| 1 | Rajahmundry ... ... | Convicts . | 863 | 46 | 909 | 469·30 | 22·06 | 491·36 | 1,074 | 43 | 1,117 | 1,342 | 41 | 1,383 |
| | | Under-trial ... | . | . | ... | 1·59 | ·27 | 1·86 | 16 | 3 | 19 | 3 | ... | 3 |
| | | Civil ... .. | 13 | . | 13 | 9·00 | ... | 9·00 | 16 | ... | 16 | 2 | ... | 2 |
| | | Total .. | 876 | 46 | 922 | 479·89 | 22·33 | 502·22 | ... | ... | ... | 1,347 | 41 | 1,388 |
| 2 | Vellore ... ... .. | Convicts . . | 1,159 | 90 | 1,249 | 1,060·60 | 68·20 | 1,158·80 | 1,189 | 88 | 1,277 | 669 | 60 | 729 |
| | | Under-trial ... | | | | ·45 | .. | ·45 | 2 | ... | 2 | ... | ... | ... |
| | | Civil ... ... | 10 | | 10 | 8·62 | ... | 8·62 | 17 | .. | 17 | 2 | ... | 2 |
| | | Total | 1,169 | 90 | 1,259 | 1,069·76 | 68·20 | 1,167·96 | . . | .. | ... | 671 | 60 | 731 |
| 3 | Trichinopoly ... ... | Convicts . | 1,237 | | 1,237 | 1,052·55 | . | 1,052·55 | 1,206 | ... | 1,206 | 756 | ... | 756 |
| | | Under-trial ... | .. | ... | | ·57 | ... | ·57 | 22 | ... | 22 | ... | ... | ... |
| | | Civil ... ... | 4 | | 4 | 9·41 | | 9·41 | 19 | ... | 19 | ... | ... | ... |
| | | Total ... | 1,241 | . | 1,241 | 1,062·53 | ... | 1,062·53 | ... | ... | ... | 756 | ... | 756 |
| 4 | Coimbatore ... ... | Convicts ... | 1,114 | ... | 1,114 | 895·46 | ·56 | 896·02 | ... | ... | ... | 384 | ... | 384 |
| | | Under-trial ... | 30 | 6 | 36 | 35·56 | 1·18 | 36·74 | ... | ... | ... | 7 | 2 | 9 |
| | | Civil ... ... | 20 | ... | 20 | 15·97 | ... | 15·97 | 32 | ... | 32 | 5 | ... | 5 |
| | | Total ... | 1,164 | 6 | 1,170 | 946·99 | 1·74 | 948·73 | ... | ... | ... | 396 | 2 | 398 |
| 5 | Cannanore ... ... | Convicts ... | 839 | 30 | 869 | 735·34 | 10·89 | 746·23 | 879 | 16 | 895 | 390 | 3 | 393 |
| | | Under-trial ... | ... | .. | ... | ·04 | ... | ·04 | 1 | ... | 1 | ... | ... | ... |
| | | Civil ... ... | 26 | ... | 26 | 14·26 | ... | 14·26 | 24 | ... | 24 | 5 | ... | 5 |
| | | Total ... | 865 | 30 | 895 | 749·64 | 10·89 | 760·53 | ... | ... | ... | 395 | 3 | 398 |
| 6 | Salem ... ... ... | Convicts ... | 588 | ... | 588 | 554·91 | ... | 554·91 | 596 | ... | 596 | 129 | ... | 129 |
| | | Under-trial ... | 31 | ... | 31 | 30·25 | ... | 30·25 | 70 | ... | 70 | 5 | ... | 5 |
| | | Civil ... ... | 10 | ... | 10 | 2·79 | ... | 2·79 | 10 | ... | 10 | ... | ... | ... |
| | | Total ... | 629 | ... | 629 | 587·95 | ... | 587·95 | ... | ... | ... | 134 | ... | 134 |
| 7 | Penitentiary ... ... | Convicts ... | 714 | 49 | 763 | 823·65 | 33·37 | 857·02 | 878 | 43 | 921 | 792 | 40 | 832 |
| | | Under-trial ... | 29 | 12 | 41 | 9·62 | ·40 | 10·02 | 20 | 1 | 21 | 10 | 1 | 11 |
| | | Civil ... ... | ... | ... | ... | 2·68 | ... | 2·68 | 6 | ... | 6 | ... | ... | ... |
| | | Total ... | 743 | 61 | 804 | 835·95 | 33·77 | 869·72 | ... | ... | ... | 802 | 41 | 843 |
| | *District Jails.* | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... | Convicts ... | 114 | 4 | 118 | 80·61 | .. | 80·61 | 121 | ... | 121 | 49 | ... | 49 |
| | | Under-trial ... | 16 | ... | 16 | 4·24 | ·04 | 4·28 | 22 | 1 | 23 | 6 | ... | 6 |
| | | Civil ... ... | ... | ... | ... | ·12 | ... | ·12 | 2 | ... | 2 | ... | ... | ... |
| | | Total ... | 130 | 4 | 134 | 84·97 | ·04 | 85·01 | ... | ... | ... | 55 | ... | 55 |
| 9 | Berhampur ... ... | Convicts ... | 146 | 14 | 160 | 136·50 | 5·46 | 141·96 | 174 | 18 | 192 | 134 | 3 | 137 |
| | | Under-trial ... | 28 | ... | 28 | 7·97 | ·23 | 8·20 | 28 | 4 | 32 | 6 | ... | 6 |
| | | Civil ... ... | 7 | ... | 7 | 2·24 | ... | 2·24 | 8 | ... | 8 | 1 | ... | 1 |
| | | Total ... | 181 | 14 | 195 | 146·71 | 5·69 | 152·40 | ... | ... | ... | 141 | 3 | 144 |
| 10 | Vizagapatam ... ... | Convicts ... | 278 | 6 | 284 | 396·88 | ·42 | 397·30 | 566 | 1 | 567 | 319 | ... | 319 |
| | | Under-trial ... | 18 | ... | 18 | 6·80 | ·93 | 7·73 | 22 | 2 | 24 | 3 | ... | 3 |
| | | Civil ... ... | ... | ... | ... | 1·00 | ... | 1·00 | 1 | ... | 1 | 1 | ... | 1 |
| | | Total ... | 296 | 6 | 302 | 404·68 | 1·35 | 406·03 | ... | ... | ... | 323 | ... | 323 |
| 11 | Nellore ... ... ... | Convicts ... | 210 | 14 | 224 | 159·35 | 2·78 | 162·13 | 204 | 6 | 210 | 137 | ... | 137 |
| | | Under-trial ... | 7 | ... | 7 | 11·94 | ·52 | 12·46 | 31 | 3 | 34 | 2 | ... | 2 |
| | | Civil ... ... | 7 | ... | 7 | 1·24 | ... | 1·24 | 3 | ... | 3 | ... | ... | ... |
| | | Total ... | 224 | 14 | 238 | 172·53 | 3·30 | 175·83 | ... | ... | ... | 139 | ... | 139 |
| 12 | Bellary ... ... ... | Convicts ... | 282 | 23 | 305 | 299·26 | 18·89 | 318·15 | 355 | 20 | 375 | 230 | 16 | 246 |
| | | Under-trial ... | 36 | ... | 36 | 36·06 | 1·43 | 37·49 | 77 | 1 | 78 | 22 | ... | 22 |
| | | Civil ... ... | 5 | ... | 5 | 5·34 | ... | 5·34 | 10 | ... | 10 | 3 | ... | 3 |
| | | Total ... | 323 | 23 | 346 | 340·66 | 20·32 | 360·98 | ... | .. | ... | 255 | 16 | 271 |

*continued.*

*jails and subsidiary jails of the Madras Presidency during the year* 1898.

| 8 | | | 9 | | | 10 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Ratio per mille of average strength. | | | | | | | | | | | |
| | | | | | | A. | | | B. | | | C. | | | D. | | |
| Daily average number of sick. | | | Number of deaths in and out of hospital. | | | Of admissions into hospital. | | | Of daily average number of sick. | | | Of deaths from all causes except cholera. | | | Of deaths from all causes, both in and out of hospital. | | |
| M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. |
| 59·15 | 3·18 | 62·33 | 92 | 1 | 93 | 2,850·58 | 1,858·57 | 2,814·64 | 126·04 | 144·15 | 126·85 | 193·91 | 45·33 | 187·24 | 196 04 | 45·33 | 189·27 |
| ·01 | .. | ·01 | .. | .. | ... | 1,880·79 | ... | 1,612·90 | 6·29 | .. | 5·38 | ... | ... | ... | .. | .. | .. |
| ·04 | ... | ·04 | 1 | ... | 1 | 222·22 | ... | 222·22 | 4·44 | ... | 4·44 | 111·11 | ... | 111·11 | 111·11 | ... | 111·11 |
| 59·20 | 3·18 | 62·38 | 93 | 1 | 94 | 2,806·89 | 1,836·09 | 2,768·73 | 126·36 | 142·41 | 124·21 | 191·71 | 44·78 | 185·18 | 193·79 | 44·78 | 187·17 |
| 27·89 | 2·53 | 30·42 | 14 | 1 | 15 | 613·37 | 879·77 | 629·05 | 25·57 | 37·10 | 26·25 | 12·84 | 14·66 | 12·94 | 12·84 | 14·66 | 12·94 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ·10 | ... | ·10 | ... | ... | ... | 232·02 | ... | 232·02 | 11·60 | ... | 11·60 | ... | ... | ... | ... | ... | ... |
| 27·99 | 2·53 | 30·52 | 14 | 1 | 15 | 610·13 | 879·77 | 625·88 | 25·45 | 37·10 | 26·13 | 12·73 | 14·66 | 12·84 | 12·73 | 14·66 | 12·84 |
| 22·74 | ... | 22·74 | 33 | ... | 33 | 718·26 | ... | 718·26 | 21·60 | ... | 21·60 | 31·35 | ... | 31·35 | 31·35 | ... | 31·3 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 22·74 | ... | 22·74 | 33 | ... | 33 | 711·51 | ... | 711·51 | 21·40 | ... | 21·40 | 31·06 | ... | 31·06 | 31·06 | ... | 31·06 |
| 17·44 | ... | 17·44 | 15 | ... | 15 | 428·83 | ... | 428·56 | 19·48 | ... | 19·46 | 16·75 | ... | 16·74 | 16·75 | ... | 16·74 |
| ·49 | ·02 | ·51 | ... | ... | ... | 196·85 | 1,694·92 | 244·96 | 13·78 | 16·95 | 13·88 | ... | ... | ... | .. | ... | ... |
| ·07 | ... | ·07 | ... | ... | ... | 313·09 | ... | 313·09 | 4·38 | ... | 4·38 | ... | ... | ... | ... | ... | ... |
| 18·00 | ·02 | 18·02 | 15 | ... | 15 | 418·17 | 1,149·48 | 419·51 | 19·01 | 11·49 | 18·99 | 15·84 | ... | 15·81 | 15·84 | ... | 15·81 |
| 21·32 | ·21 | 21·53 | 13 | ... | 13 | 530·37 | 275·48 | 526·05 | 28·99 | 19·28 | 28·85 | 17·68 | ... | 17·42 | 17·68 | ... | 17·42 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ·21 | ... | ·21 | 2 | ... | 2 | 350·63 | ... | 350·63 | 14·73 | ... | 14·73 | 140·25 | ... | 140·25 | 140·25 | ... | 140·25 |
| 21·53 | ·21 | 21·74 | 15 | ... | 15 | 526·92 | 275·48 | 523·32 | 28·72 | 19·28 | 28·59 | 20·01 | ... | 19·72 | 20·01 | ... | 19·72 |
| 5·57 | ... | 5·57 | 5 | ... | 5 | 232·47 | ... | 232·47 | 10·04 | ... | 10·04 | 9·01 | ... | 9·01 | 9·01 | ... | 9·01 |
| ·22 | ... | ·22 | ... | ... | ... | 165·29 | ... | 165·29 | 7·27 | ... | 7·27 | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 5·79 | ... | 5·79 | 5 | ... | 5 | 227·91 | ... | 227·91 | 9·85 | ... | 9·85 | 8·50 | ... | 8·50 | 8·50 | ... | 8·50 |
| 22·44 | 1·05 | 23·49 | 12 | 1 | 13 | 961·57 | 1,198·08 | 970·81 | 27·24 | 31·47 | 27·41 | 13·36 | 29·97 | 14·00 | 14·57 | 29·97 | 15·17 |
| ·25 | ·01 | ·26 | 1 | ... | 1 | 1,039·50 | 2,500·00 | 1,097·80 | 25·99 | 25·00 | 25·95 | 103·95 | ... | 99·80 | 103·95 | ... | 99·80 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 22·69 | 1·06 | 23·75 | 13 | 1 | 14 | 959·39 | 1,214·10 | 969·28 | 27·14 | 31·39 | 27·31 | 14·35 | 29·61 | 14·95 | 15·55 | 29·61 | 16·10 |
| 2·10 | ... | 2·10 | 2 | ... | 2 | 607·87 | ... | 607·87 | 26·05 | ... | 26·05 | 24·81 | ... | 24·81 | 24·81 | ... | 24·81 |
| ·27 | ... | ·27 | ... | ... | ... | 1,415·09 | ... | 1,401·87 | 63·68 | ... | 63·08 | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2·37 | ... | 2·37 | 2 | ... | 2 | 647·29 | ... | 646·98 | 27·89 | ... | 27·88 | 23·54 | ... | 23·53 | 23·54 | ... | 23·53 |
| 3·57 | ·12 | 3·69 | 4 | ... | 4 | 981·68 | 549·45 | 965·06 | 26·15 | 21·98 | 25·99 | 29·30 | ... | 28·18 | 29·30 | ... | 28·18 |
| ·23 | ... | ·23 | ... | ... | ... | 752·82 | ... | 731·71 | 28·86 | ... | 28·05 | ... | ... | ... | ... | ... | ... |
| ·04 | ... | ·04 | ... | ... | ... | 446·43 | ... | 446·43 | 17·86 | ... | 17·86 | ... | .. | ... | ... | ... | ... |
| 3·84 | ·12 | 3·96 | 4 | ... | 4 | 961·08 | 527·24 | 944·88 | 26·17 | 21·09 | 25·98 | 27·26 | ... | 26·25 | 27·26 | ... | 26·25 |
| 24·31 | ... | 24·31 | 23 | ... | 23 | 803·77 | ... | 802·92 | 61·25 | ... | 61·19 | 57·95 | ... | 57·89 | 57·95 | ... | 57·89 |
| ·14 | ... | ·14 | ... | ... | ... | 441·18 | ... | 388·10 | 20·59 | ... | 18·11 | ... | ... | ... | ... | ... | ... |
| ·02 | ... | ·02 | ... | ... | ... | 1,000·00 | ... | 1,000·00 | 20·00 | .. | 20·00 | ... | ... | ... | ... | ... | ... |
| 24·47 | ... | 24·47 | 23 | ... | 23 | 798·16 | ... | 795·51 | 60·47 | ... | 60·27 | 56·84 | ... | 56·65 | 56·84 | ... | 56·65 |
| 4·39 | ... | 4·39 | 1 | ... | 1 | 859·74 | ... | 845·00 | 27·55 | ... | 27·08 | 6·28 | ... | 6·17 | 6·28 | ... | 6·17 |
| ·02 | ... | ·02 | ... | ... | ... | 167·50 | ... | 160·51 | 1·68 | ... | 1·61 | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4·41 | ... | 4·41 | 1 | ... | 1 | 805·66 | ... | 790·54 | 25·56 | ... | 25·08 | 5·80 | ... | 5·69 | 5·80 | ... | 5·69 |
| 7·97 | ·82 | 8·79 | 6 | ... | 6 | 768·56 | 847·01 | 773·22 | 26·63 | 43·41 | 27·63 | 20·05 | ... | 18·86 | 20·05 | ... | 18·86 |
| ·63 | ·03 | ·66 | ... | ... | ... | 610·09 | ... | 586·82 | 17·47 | 20·98 | 17·60 | ... | ... | ... | ... | ... | ... |
| ·10 | ... | ·10 | 1 | ... | 1 | 561·80 | ... | 561·80 | 18·73 | ... | 18·73 | 187·27 | ... | 187·27 | 187·27 | ... | 187·27 |
| 8·70 | ·85 | 9·55 | 7 | ... | 7 | 748·55 | 787·40 | 750·73 | 25·54 | 41·83 | 26·46 | 20·55 | ... | 19·39 | 20·55 | ... | 19·93 |

## D.—PRISONS—

(36)—*Statement showing the sickness and mortality among prisoners of all classes in the*

| Serial number. | Jails. | Classes of prisoners. | Number of persons that can be accommodated in the parts of the jails devoted to convicts, under-trial and civil prisoners, respectively, but exclusive of hospital and observation cells. | | | Average daily strength. | | | Maximum population on any one day. | | | Number admitted into hospital. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. |
| | *District Jails*—cont. | | | | | | | | | | | | | |
| 13 | Cuddalore ... | Convicts ... | 256 | 17 | 273 | 356·65 | 9·42 | 366·07 | 400 | 14 | 414 | 168 | 8 | 176 |
| | | Under-trial ... | 34 | | 34 | 5·40 | ·38 | 5·78 | 18 | 1 | 19 | 3 | .. | 3 |
| | | Civil ... ... | 19 | | 19 | 5·68 | ... | 5·68 | 15 | .. | 15 | .. | ... | ... |
| | | Total . | 309 | 17 | 326 | 367·73 | 9·80 | 377·53 | | ... | .. | 171 | 8 | 179 |
| 14 | Tanjore ... ... | Convicts . | 291 | ... | 291 | 307·97 | . | 307·97 | 356 | ... | 356 | 84 | .. | 84 |
| | | Under-trial ... | 30 | | 30 | 11·04 | | 11·04 | 34 | ... | 34 | 3 | ... | 3 |
| | | Civil ... ... | 12 | . | 12 | 27·21 | | 27·21 | 48 | ... | 48 | 3 | .. | 3 |
| | | Total . | 333 | . | 333 | 346·22 | | 346·22 | ... | ... | ... | 90 | ... | 90 |
| 15 | Madura ... ... ... | Convicts ... | 305 | 18 | 323 | 303·77 | 14·48 | 318·25 | 368 | 16 | 384 | 84 | 8 | 92 |
| | | Under-trial ... | 29 | 4 | 33 | 31·87 | ·62 | 35·49 | 85 | 1 | 86 | 5 | ... | 5 |
| | | Civil ... ... | 40 | ... | 40 | 18·05 | .. | 18·05 | 31 | ... | 31 | 5 | ... | 5 |
| | | Total ... | 374 | 22 | 396 | 356·69 | 15·10 | 371·79 | ... | ... | ... | 94 | 8 | 102 |
| 16 | Palamcottah ... ... | Convicts ... | 290 | ... | 290 | 305·76 | ... | 305·76 | 357 | ... | 357 | 205 | ... | 205 |
| | | Under-trial ... | 30 | .. | 30 | 18·77 | ... | 18·77 | 38 | ... | 38 | ... | ... | ... |
| | | Civil ... ... | 12 | ... | 12 | 16·18 | ... | 16·18 | 29 | ... | 29 | 2 | ... | 2 |
| | | Total ... | 332 | ... | 332 | 340·71 | ... | 340·71 | ... | ... | ... | 207 | ... | 207 |
| 17 | Mangalore ... ... | Convicts ... | 144 | 17 | 161 | 140·01 | 7·62 | 147·63 | 172 | 36 | 208 | 105 | 2 | 107 |
| | | Under-trial ... | 42 | ... | 42 | 12·75 | ·40 | 13·15 | 8 | ... | 8 | 3 | 1 | 4 |
| | | Civil ... ... | 11 | ... | 11 | 8·40 | .. | 8·40 | 5 | ... | 5 | 1 | ... | 1 |
| | | Total ... | 197 | 17 | 214 | 161·16 | 8·02 | 169·18 | ... | ... | ... | 109 | 3 | 112 |
| 18 | Guntúr ... ... ... | Convicts ... | 145 | 9 | 154 | 123·21 | 5·67 | 128·88 | 239 | 11 | 250 | 45 | 7 | 52 |
| | | Under-trial ... | 13 | ... | 13 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Civil ... ... | 4 | ... | 4 | ·20 | ... | ·20 | 1 | ... | 1 | ... | ... | ... |
| | | Total ... | 162 | 9 | 171 | 123·41 | 5·67 | 129·08 | ... | ... | ... | 45 | 7 | 52 |
| | Total, Central and District Jails. | Convicts ... | 8,975 | 337 | 9,312 | 8,231·87 | 199·82 | 8,431·69 | ... | ... | ... | 6,022 | 188 | 6,210 |
| | | Under-trial ... | 373 | 22 | 395 | 227·92 | 6·40 | 234·32 | ... | ... | ... | 78 | 4 | 82 |
| | | Civil ... ... | 200 | ... | 200 | 148·39 | ... | 148·39 | ... | ... | ... | 30 | ... | 30 |
| | | Total ... | 9,548 | 359 | 9,907 | 8,608·18 | 206·22 | 8,814·40 | .. | ... | ... | 6,130 | 192 | 6,322 |
| 19 | Criminal Leper Ward, Madras. | Convicts ... | 23 | ... | 23 | 15·76 | ... | 15·76 | 21 | ... | 21 | ... | ... | ... |
| 0 | Civil Jail, Madras ... ... | Civil prisoners ... | 71 | ... | 71 | 28·07 | ... | 28·07 | 53 | ... | 53 | 3 | ... | 3 |
| | Subsidiary Jails ... | Convicts ... | ... | ... | ... | 648·70 | 54·18 | 702·88 | ... | ... | ... | ... | ... | ... |
| | | Under-trial ... | ... | ... | ... | 1,320·64 | 35·49 | 1,365·13 | ... | ... | ... | ... | ... | ... |
| | | Civil ... ... | ... | ... | ... | 10·16 | ·02 | 10·18 | ... | ... | ... | ... | ... | ... |
| | | Total ... | 4,104 | 1,812 | 5,916 | 1,988·50 | 89·69 | 2,078·19 | ... | ... | ... | ... | ... | ... |
| | Grand Total ... ... | Convicts ... | ... | ... | ... | 8,896·33 | 254·00 | 9,150·33 | ... | ... | ... | 6,022 | 188 | 6,210 |
| | | Under-trial ... | ... | ... | ... | 1,557·56 | 41·89 | 1,599·45 | ... | ... | ... | 78 | 4 | 82 |
| | | Civil ... ... | ... | ... | ... | 186·62 | ·02 | 186·64 | ... | ... | ... | 33 | ... | 33 |
| | | Total of all ... | 13,746 | 2,171 | 15,917 | 10,640·51 | 295·91 | 10,936·42 | ... | ... | ... | 6,133 | 192 | 6,325 |

*continued.*

*jails and subsidiary jails of the Madras Presidency during the year* 1898—continued.

| 8 | | | 9 | | | 10 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Ratio per mille of average strength. | | | | | | | | | | | |
| | | | | | | A. | | | B. | | | C. | | | D. | | |
| Daily average number of sick. | | | Number of deaths in and out of hospital. | | | Of admissions into hospital. | | | Of daily average number of sick. | | | Of deaths from all causes except cholera. | | | Of deaths from all causes, both in and out of hospital. | | |
| M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. |
| 6·18 | ·16 | 6·04 | 4 | ... | 4 | 471·05 | 849·26 | 480·78 | 18·17 | 48·83 | 18·96 | 11·22 | .. | 10·93 | 11·22 | .. | 10·93 |
| ·15 | . | ·15 | ... | .. | . | 555·56 | ... | 519·03 | 27·78 | ... | 25·95 | ... | .. | ... | ... | .. | .. |
| ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6·63 | ·46 | 7·09 | 4 | .. | 4 | 465·02 | 816·33 | 474·13 | 18·03 | 46·94 | 18·78 | 10·88 | ... | 10·60 | 10·88 | ... | 10·60 |
| 6·64 | ... | 6·64 | 8 | ... | 8 | 272·75 | ... | 272·75 | 21·56 | ... | 21·56 | 25·98 | ... | 25·98 | 25·98 | ... | 25·98 |
| ·04 | ... | ·04 | ... | ... | ... | 271·74 | .. | 271·74 | 3·62 | .. | 3·62 | ... | ... | ... | ... | ... | ... |
| ·08 | ... | ·08 | ... | ... | ... | 110·25 | ... | 110·25 | 2·94 | ... | 2·94 | ... | ... | ... | ... | | |
| 6·76 | ... | 6·76 | 8 | ... | 8 | 259·95 | ... | 259·95 | 19·53 | ... | 19·53 | 23·11 | ... | 23·11 | 23·11 | ... | 23·11 |
| 5·30 | ·35 | 5·65 | 2 | ... | 2 | 276·53 | 552·49 | 289·08 | 17·45 | 24·17 | 17·75 | 6·58 | ... | 6·28 | 6·58 | ... | 6·28 |
| ·22 | ... | ·22 | ... | ... | ... | 143·39 | ... | 140·88 | 6·31 | ... | 6·20 | ... | ... | ... | ... | ... | ... |
| ·17 | ... | ·17 | 1 | ... | 1 | 277·01 | ... | 277·01 | 9·42 | ... | 9·42 | 55·40 | ... | 55·40 | 55·40 | ... | 55·40 |
| 5·69 | ·35 | 6·04 | 3 | ... | 3 | 263·53 | 529·80 | 274·35 | 15·95 | 23·18 | 16·25 | 8·41 | ... | 8·07 | 8·41 | ... | 8·07 |
| 7·73 | ... | 7·73 | 7 | ... | 7 | 670·46 | ... | 670·46 | 25·28 | ... | 25·28 | 22·89 | ... | 22·89 | 22·89 | ... | 22·89 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ·04 | ... | ·04 | ... | ... | ... | 123·61 | ... | 123·61 | 2·47 | ... | 2·47 | ... | ... | ... | ... | ... | ... |
| 7·77 | ... | 7·77 | 7 | ... | 7 | 607·55 | ... | 607·55 | 22·81 | ... | 22·81 | 20·55 | ... | 20·55 | 20·55 | ... | 20·55 |
| 3·36 | ·02 | 3·38 | 1 | ... | 1 | 749·05 | 262·47 | 724·78 | 24·00 | 2·62 | 22·90 | 7·14 | ... | 6·77 | 7·14 | ... | 6·77 |
| ·07 | ·04 | ·11 | ... | ... | ... | 235·29 | 2,500·00 | 304·18 | 5·49 | 100·00 | 8·37 | ... | ... | ... | ... | ... | ... |
| ·01 | ... | ·01 | ... | ... | ... | 119·05 | ... | 119·05 | 1·19 | ... | 1·19 | ... | ... | ... | ... | ... | ... |
| 3·44 | ·06 | 3·50 | 1 | ... | 1 | 676·35 | 374·06 | 662·02 | 21·33 | 7·48 | 20·69 | 6·21 | ... | 5·91 | 6·21 | ... | 5·91 |
| 1·33 | ·14 | 1·47 | ... | ... | ... | 365·23 | 1,234·57 | 403·48 | 10·79 | 24·69 | 11·41 | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1·33 | ·14 | 1·47 | ... | ... | ... | 364·64 | 1,234·57 | 402·85 | 10·78 | 24·69 | 11·39 | ... | ... | ... | ... | ... | ... |
| 249·73 | 8·88 | 258·61 | 242 | 3 | 245 | 731·55 | 940·85 | 736·51 | 30·34 | 44·44 | 30·67 | 29·15 | 15·01 | 28·82 | 29·40 | 15·01 | 29·06 |
| 2·74 | ·10 | 2·84 | 1 | ... | 1 | 342·23 | 625·00 | 349·95 | 12·02 | 15·62 | 12·12 | 4·39 | ... | 4·27 | 4·39 | ... | 4·27 |
| ·88 | ... | ·88 | 5 | ... | 5 | 202·17 | .. | 202·17 | 5·93 | ... | 5·93 | 33·69 | ... | 33·69 | 33·69 | ... | 33·69 |
| 253·35 | 8·98 | 262·33 | 248 | 3 | 251 | 712·11 | 931·04 | 717·24 | 29·43 | 43·55 | 29·76 | 28·58 | 14·55 | 28·25 | 28·81 | 14·55 | 28·41 |
| ... | ... | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | 63·45 | ... | 63·45 | 63·45 | ... | 63·45 |
| ·06 | ... | ·06 | ... | ... | ... | 106·88 | ... | 106·88 | 2·14 | ... | 2·14 | ... | ... | ... | ... | ... | ... |
| 19·45 | ·89 | 20·34 | 10 | 1 | 11 | ... | ... | ... | 29·98 | 16·43 | 28·94 | 13·87 | ... | 12·80 | 15·42 | 18·46 | 15·65 |
| 10·46 | ·52 | 10·98 | 22 | 2 | 24 | ... | ... | ... | 7·87 | 14·65 | 8·04 | 12·79 | 56·35 | 13·92 | 16·55 | 56·35 | 17·58 |
| ·01 | ... | ·01 | ... | ... | ... | ... | ... | ... | ·98 | ... | ·98 | ... | ... | ... | ... | ... | ... |
| 29·92 | 1·41 | 31·33 | 32 | 3 | 35 | ... | ... | ... | 15·05 | 15·72 | 15·08 | 13·08 | 22·30 | 13·47 | 16·09 | 33·45 | 16·84 |
| 269·18 | 9·77 | 278·95 | 253 | 4 | 257 | 676·91 | 740·16 | 678·66 | 30·26 | 38·46 | 30·49 | 28·10 | 11·81 | 27·65 | 28·44 | 15·75 | 28·09 |
| 13·20 | ·62 | 13·82 | 23 | 2 | 25 | 50·08 | 95·49 | 51·27 | 8·47 | 14·80 | 8·64 | 11·56 | 47·74 | 12·50 | 14·77 | 47·74 | 15·63 |
| ·95 | ... | ·95 | 5 | ... | 5 | 176·83 | ... | 176·81 | 5·09 | ... | 5·09 | 26·79 | ... | 26·79 | 26·79 | ... | 26·79 |
| 283·33 | 10·39 | 293·72 | 281 | 6 | 287 | 576·38 | 648·85 | 578·34 | 26·63 | 35·11 | 26·86 | 25·66 | 16·90 | 25·42 | 26·41 | 20·28 | 26·24 |

## D.—PRISONS—*continued.*

(37)—*Statement showing particulars regarding prisoners under trial in the jails and subsidiary jails of the Madras Presidency during the year* 1898.

| 1 | 2 | 3 | | 4 | | 5 | | | 6 | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | 12 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Serial number. | Jails. | Number remaining at close of previous year. | | Number received during the year | | Total population. | | | Average daily number. | | | Released. | | | Convicted and sentenced. | | | Transferred, &c. | | | Escaped. | | | Died. | | | Remaining on 31st December 1898. | | |
| | | M. | F. | M. | F. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. | M. | F. | Total. |
| | *Central Jails.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Rajahmundry ... ... | 1 | 2 | 49 | 7 | 50 | 9 | 59 | 1·59 | ·27 | 1·86 | 28 | 4 | 32 | 22 | 5 | 27 | .. | ... | ... | ... | ... | | | | | . | . | |
| 2 | Vellore ... ... ... | ... | ... | 5 | ... | 5 | ... | 5 | ·45 | ... | ·45 | 5 | ... | 5 | ... | ... | ... | .. | .. | .. | | | | | | | 1 | .. | .. 1 |
| 3 | Trichinopoly ... ... | .. | ... | 26 | ... | 26 | ... | 26 | ·57 | ... | ·57 | 4 | ... | 4 | 4 | ... | 4 | 17 | ... | 17 | . | . | | | | | 30 | | 30 |
| 4 | Coimbatore ... ... | 24 | 1 | 512 | 24 | 536 | 25 | 561 | 35·56 | 1·18 | 36·74 | 302 | 13 | 315 | 204 | 12 | 216 | . | ... | . | . | | | | | | 25 | | 25 |
| 5 | Cannanore ... ... | ... | ... | 1 | ... | 1 | ... | 1 | ·04 | ... | ·04 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | . | | | | | | 13 | 1 | 14 |
| 6 | Salem ... ... ... | 16 | ... | 331 | ... | 347 | ... | 347 | 30·25 | ... | 30·25 | 238 | ... | 238 | 82 | ... | 82 | 2 | . | 2 | | | | | | | | | |
| 7 | Penitentiary ... ... | 10 | 3 | 216 | 11 | 226 | 14 | 240 | 9·62 | ·40 | 10·02 | 92 | 6 | 98 | 120 | 7 | 127 | . | . | . | ... | . | . | 1 | | 1 | | | |
| | Total ... | 51 | 6 | 1,140 | 42 | 1,191 | 48 | 1,239 | 78·08 | 1·85 | 79·93 | 669 | 23 | 692 | 432 | 24 | 456 | 20 | ... | 20 | | ... | .. | 1 | ... | 1 | 69 | 1 | 70 |
| | *District Jails.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Russellkonda ... ... | 2 | ... | 116 | 2 | 118 | 2 | 120 | 4·24 | ·04 | 4·28 | 46 | 2 | 48 | 67 | ... | 67 | 3 | . | 3 | 1 | . | 1 | . | | . | 1 | | 1 |
| 9 | Berhampur ... ... | 1 | ... | 229 | 7 | 230 | 7 | 237 | 7·97 | ·23 | 8·20 | 139 | ... | 139 | 85 | 6 | 91 | ... | .. | .. | | | | ... | .. | . | 6 | 1 | 7 |
| 10 | Vizagapatam ... ... | 7 | 1 | 163 | 17 | 170 | 18 | 188 | 6·80 | ·93 | 7·73 | 121 | 13 | 134 | 44 | 5 | 49 | 3 | ... | 3 | | | .. | ... | | . | 2 | | 2 |
| 11 | Nellore ... ... ... | 3 | ... | 203 | 14 | 206 | 14 | 220 | 11·94 | ·52 | 12·46 | 95 | 9 | 104 | 102 | 4 | 106 | ... | ... | .. | ... | | | .. | .. | . | 9 | 1 | 10 |
| 12 | Bellary ... ... ... | 23 | 3 | 421 | 15 | 444 | 18 | 462 | 36·06 | 1·43 | 37·49 | 180 | 6 | 186 | 202 | 8 | 210 | 42 | 3 | 45 | | | . | . | | . | 20 | 1 | 21 |
| 13 | Cuddalore ... ... | 3 | ... | 90 | 7 | 93 | 7 | 100 | 5·40 | ·38 | 5·78 | 51 | 4 | 55 | 41 | 1 | 42 | .. | 1 | 1 | ... | ... | . | . | .. | . | 1 | 1 | 2 |
| 14 | Tanjore ... ... ... | 11 | ... | 146 | ... | 157 | ... | 157 | 11·04 | ... | 11·04 | 42 | ... | 42 | 113 | ... | 113 | .. | .. | ... | ... | ... | | . | | . | 2 | . | 2 |
| 15 | Madura ... ... ... | 37 | ... | 577 | 12 | 614 | 12 | 626 | 34·87 | ·62 | 35·49 | 332 | 4 | 336 | 253 | 6 | 259 | 1 | 1 | 2 | ... | ... | | . | . | . | 28 | 1 | 29 |
| 16 | Palamcottah ... ... | 5 | ... | 254 | ... | 259 | ... | 259 | 18·77 | ... | 18·77 | 151 | ... | 151 | 83 | ... | 83 | ... | | ... | .. | | | ... | .. | | 25 | | 25 |
| 17 | Mangalore ... ... | 7 | ... | 230 | 13 | 237 | 13 | 250 | 12·75 | ·40 | 13·15 | 110 | 7 | 117 | 117 | 5 | 122 | ... | ... | ... | ... | ... | . | | | .. | 10 | 1 | 11 |
| 18 | Guntur ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | .. | ... | . | | |
| | Total ... | 99 | 4 | 2,429 | 87 | 2,528 | 91 | 2,619 | 149·84 | 4·55 | 154·39 | 1,267 | 45 | 1,312 | 1,107 | 35 | 1,142 | 49 | 5 | 54 | 1 | ... | 1 | ... | | .. | 104 | 6 | 110 |
| | Total, Central and District Jails ... | 150 | 10 | 3,569 | 129 | 3,719 | 139 | 3,858 | 227·92 | 6·40 | 234·32 | 1,936 | 68 | 2,004 | 1,539 | 59 | 1,598 | 69 | 5 | 74 | 1 | ... | 1 | 1 | . | 1 | 173 | 7 | 180 |
| | Subsidiary Jails ... | 1,335 | 38 | 30,208 | 1,044 | 31,543 | 1,082 | 32,625 | 1,329·64 | 35·49 | 1,365·13 | 11,193 | 388 | 11,581 | 6,068 | 307 | 6,375 | 13,041 | 359 | 13,400 | 41 | ... | 41 | 22 | 2 | 24 | 1,178 | 26 | 1,204 |
| | Grand Total ... | 1,485 | 48 | 33,777 | 1,173 | 35,262 | 1,221 | 36,483 | 1,557·56 | 41·89 | 1,599·45 | 13,129 | 456 | 13,585 | 7,607 | 366 | 7,973 | 13,110 | 364 | 13,074 | 42 | ... | 42 | 23 | 2 | 25 | 1,351 | 33 | 1,384 |

# E.—CHARITABLE INSTITUTIONS.

(38)—*For the year* 1898-99.

| Class and object of institutions. | Number of institutions. | Average number of persons daily aided. | Number aided in the year. | Income | | | | Number of institutions which afforded relief. | | | In what shape relief was given. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Paid by Government. | From endowment in land. | From endowment in money. | Subscriptions and donations. | In-door. | Out-door. | General. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | Rs. | Rs. | Rs. | Rs. | | | | |
| ***I.—Institutions supported by Government, whether originally constructed by Government or private persons and whether under Government management or private persons.*** | | | | | | | | | | | |
| *A.* General— | | | | | | | | | | | |
| (1) Dispensaries ... ... ... | 6 | 448 | 38,291 | 27,827 | ... | 205 | ... | . | 1 | 5 | Accommodation, food, medicine and medical advice. |
| (2) Poor houses ... ... ... | 4 | 795 | 287,563 | 5,155 | 1,218 | 6,090 | ... | 1 | 2 | 1 | Food, raw rice and money dole. |
| (3) For travellers ... ... ... | 152 | 1,691 | 616,816 | 1,370 | 43,959 | 3,551 | 60 | 139 | 4 | 9 | Accommodation, food, raw rice, water and butter-milk. |
| (4) For orphans ... ... ... | 4 | 60 | 21,900 | ... | ... | 1,553 | ... | ... | 3 | 1 | Food and education. |
| (5) For the blind, deaf and lepers ... ... ... ... | 1 | 64 | 23,291 | 1,000 | ... | ... | ... | 1 | ... | ... | Food. |
| *B.* Hindus— | | | | | | | | | | | |
| (1) To relieve paupers ... ... | 4 | 11 | 3,982 | 109 | 725 | 18 | ... | 2 | ... | 2 | Accommodation, food, raw rice and water. |
| (2) Do. Bráhmans ... | 43 | 1,091 | 401,544 | 199 | 58,659 | 7,216 | ... | 23 | ... | 20 | Accommodation, food rations and raw rice. |
| (3) For travellers ... ... | 66 | 636 | 198,227 | 3,397 | 3,279 | 21 | 2,066 | 62 | 3 | 1 | Accommodation, food, raw rice, water and light. |
| *C.* Muhammadans— | | | | | | | | | | | |
| (1) To relieve paupers ... ... | 3 | 12 | 4,394 | ... | 60 | 200 | ... | 3 | ... | ... | Accommodation and food. |
| (2) For travellers ... ... ... | 2 | 10 | 3,840 | ... | 500 | ... | ... | 2 | ... | ... | Accommodation. |
| Total ... | 285 | 4,818 | 1,599,851 | 39,057 | 1,08,400 | 18,854 | 2,126 | 233 | 13 | 39 | |
| ***II.—Institutions supported by the general public.*** | | | | | | | | | | | |
| *A.* General— | | | | | | | | | | | |
| (1) For cure of sickness ... ... | 20 | 815 | 209,457 | ... | 73 | 10,005 | 2,086 | 12 | 2 | 6 | Accommodation, medicine, diet, clothing and money. |
| (2) To relieve paupers ... ... | 19 | 2,192 | 784,356 | ... | 5,379 | 44,976 | 9,335 | 2 | 2 | 15 | Food, raw rice, money, clothing and education. |
| (3) For travellers ... ... ... | 717 | 13,428 | 2,666,634 | ... | 28,345 | 26,838 | 41,237 | 602 | 9 | 106 | Accommodation, food, raw rice, water and butter-milk. |
| *B.* Hindus— | | | | | | | | | | | |
| (1) To relieve paupers ... ... | 31 | 793 | 210,644 | ... | 4,880 | 12,172 | 5,278 | 23 | 1 | 7 | Accommodation, food, water and raw rice. |
| (2) Do. Bráhmans ... | 423 | 7,475 | 2,511,380 | ... | 1,10,080 | 1,07,102 | 53,475 | 334 | 7 | 82 | Accommodation, food, water, raw rice and light. |
| (3) Do. Bairágis ... ... | 52 | 920 | 335,156 | ... | 25,642 | 7,097 | 1,940 | 30 | 8 | 14 | Accommodation, food and raw rice. |
| (4) For travellers ... ... ... | 688 | 3,782 | 1,471,238 | ... | 23,727 | 29,439 | 7,906 | 658 | 7 | 23 | Accommodation, food, raw rice, water and light. |
| (5) For Rajput boys and girls. | 1 | 46 | 16,719 | ... | ... | 1,253 | ... | 1 | ... | ... | Food and clothing. |
| *C.* Muhammadans— | | | | | | | | | | | |
| (1) To relieve paupers ... ... | 10 | 282 | 103,112 | ... | 1,410 | 152 | 75 | 6 | 1 | 3 | Accommodation, food and raw rice. |
| (2) For travellers ... ... ... | 56 | 163 | 84,154 | ... | 310 | 50 | 160 | 56 | ... | ... | Accommodation and light. |
| Total ... | 2,017 | 29,896 | 8,392,850 | ... | 1,99,846 | 2,38,994 | 1,21,492 | 1,724 | 37 | 256 | |
| ***III.—Institutions supported partly by Government and partly by the general public.*** | | | | | | | | | | | |
| *A.* General— | | | | | | | | | | | |
| (1) For cure of sickness ... ... | 32 | 3,115 | 284,121 | 3,62,409 | ... | 15,509 | 51,341 | 7 | 13 | 12 | Medicine, advice, diet, boarding and clothing. |
| (2) To relieve paupers ... ... | 15 | 254 | 5,910 | 685 | ... | 11,993 | 10,526 | 15 | ... | ... | Accommodation and food. |
| (3) For travellers ... ... ... | 10 | 114 | 42,302 | 556 | 65 | 665 | ... | 8 | 1 | 1 | Accommodation, food and raw rice. |
| (4) For orphans ... ... ... | 5 | 619 | 225,935 | 1,890 | ... | ... | 7,020 | 5 | ... | ... | Instruction, food and clothing |

# E.—CHARITABLE INSTITUTIONS—*continued.*

## (38)—*For the year* 1898-99—continued.

| Class and object of institutions. | Number of institutions. | Average number of persons daily aided. | Number aided in the year. | Income | | | | Number of institutions which afforded relief. | | | In what shape relief was given. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Paid by Government. | From endowment in land. | From endowment in money. | Subscriptions and donations. | In-door. | Out-door. | General. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| ***III.—Institutions supported partly by Government and partly by the general public*—cont.** | | | | Rs. | Rs. | Rs. | Rs. | | | | |
| ***B.*** Hindus— | | | | | | | | | | | |
| (1) To relieve paupers ... ... | 184 | 1,801 | 661,096 | 652 | 35,014 | 30,463 | 537 | 65 | 111 | 8 | Accommodation, food and raw rice. |
| (2) Do. Bráhmans ... | 18 | 1,450 | 508,076 | 27,350 | 17,892 | 3,313 | 5,910 | 13 | ... | 5 | Accommodation, food and raw rice. |
| (3) Do. Bairágis .. ... | 1 | 40 | 14,765 | ... | ... | 3,300 | ... | ... | ... | 1 | Food and raw rice. |
| (4) For travellers ... ... | 2 | 5 | 1,825 | 331 | 163 | ... | ... | 2 | ... | ... | Accommodation. |
| ***C.*** Muhammadans— To relieve paupers ... ... | 3 | 122 | 44,530 | 3,094 | ... | ... | 240 | 2 | 1 | ... | Food and money dole. |
| ***D.*** Europeans and East Indians— (1) For orphans ... ... ... | 8 | 1,303 | 175,562 | 20,886 | ... | 1,927 | 17,588 | 6 | 1 | 1 | Food, medicine, clothing, education and money. |
| (2) To relieve paupers ... ... | 2 | 490 | 178,850 | 13,200 | 210 | 829 | 32,300 | 1 | ... | 1 | Money doles, boarding, lodging and clothing. |
| Total ... | 280 | 9,318 | 2,142,972 | 4,81,053 | 53,344 | 67,999 | 1,25,462 | 124 | 127 | 29 | |
| ***IV.—Institutions supported either wholly or in part from local taxation.*** | | | | | | | | | | | |
| ***A.*** General— (1) For cure of sickness ... ... | 432 | 17,785 | 3,676,767 | 1,27,195 | 482 | 2,27,919 | 52,856 | 41 | 211 | 180 | Accommodation, diet and clothing, medical and surgical aid. |
| (2) To relieve paupers ... ... | 18 | 1,282 | 383,585 | 3,115 | 66,202 | 41,967 | 1,380 | 5 | ... | 13 | Accommodation, food, raw rice, water, lighting and curry stuff. |
| (3) For travellers ... ... ... | 327 | 873 | 467,387 | 4,019 | 4,347 | 1,750 | 1,219 | 327 | ... | ... | Accommodation and water. |
| ***B.*** Hindus— (1) To relieve paupers ... ... | 4 | 170 | 61,073 | 270 | 22,958 | 12 | 222 | 4 | ... | ... | Food. |
| (2) Do. Bráhmans ... ... | 24 | 407 | 147,034 | 1,571 | 21,324 | 3,987 | 21 | 22 | ... | 2 | Food, accommodation, raw rice and utensils. |
| (3) For travellers ... ... ... | 182 | 1,912 | 575,041 | 12,353 | 28,654 | 6,917 | 1,650 | 149 | 9 | 24 | Accommodation, food, raw rice, water, butter-milk, light and utensils. |
| ***C.*** Muhammadans— (1) For travellers ... ... | 5 | 27 | 9,740 | ... | ... | 254 | ... | 5 | .. | ... | Accommodation and food. |
| ***D.*** Europeans— For travellers ... ... ... | 11 | 1 | 525 | ... | ... | 149 | 7 | 11 | ... | ... | Accommodation. |
| Total ... | 1,003 | 22,457 | 5,321,152 | 1,48,523 | 1,43,967 | 2,82,055 | 57,354 | 564 | 220 | 219 | |
| Grand Total ... | 3,585 | 66,189 | 17,456,825 | 6,18,633 | 5,05,557 | 6,07,902 | 3,06,434 | 2,645 | 397 | 543 | |

# F.—JUDICIAL STATEMENTS—(CIVIL).

(39)—*Statement showing the number and description of civil suits instituted in the civil and revenue courts in the province of Madras in the year* 1898.

| Class of tribunals. | Suits for money or moveable property. | Suits under the rent-law. | | | | | Title and other suits. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Arrears of rent with or without ejectment. | Enhancement or abatement of rent. | For penalties or damages or compensation for wrongful action on the part of landlord or tenant. | For ejectment or recovery of possession alone. | All other suits under rent-law. | Suits for immoveable property. | Suits for specific relief. | Suits to establish a right of pre-emption. | Mortgage suits. | Suits relating to religious and other endowments. | Matrimonial suits. | Testamentary suits. | Other suits not falling under any of the previous heads. | Total. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| COURTS IN THE INTERIOR. | | | | | | | | | | | | | | | |
| I.—*Civil Courts.* | | | | | | | | | | | | | | | |
| Unpaid Tribunals ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Village Courts ... | 98,249 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 98,249 |
| Paid Sub-Divisional Tribunals. | 172,155 | .. | ... | ... | ... | ... | 15,028 | 3,491 | 16 | 28,871 | 8 | 102 | 3 | 446 | 220,120 |
| Small Cause Courts (at the Cantonments)... ... | 260 | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 260 |
| District Courts other than Chief Courts of Districts ... | 21,001 | ... | .. | ... | ... | ... | 255 | 85 | ... | 230 | 4 | 2 | 2 | 41 | 21,620 |
| Chief Courts of Districts ... | 1,890 | ... | ... | ... | ... | ... | 91 | 47 | 6 | 81 | 10 | 5 | 22 | 59 | 2,211 |
| Total ... | 293,555 | ... | ... | ... | ... | ... | 15,374 | 3,623 | 22 | 29,182 | 22 | 109 | 27 | 546 | 342,460 |
| II.—*Revenue Courts.* | | | | | | | | | | | | | | | |
| Unpaid Local Tribunals ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Subordinate Courts ... | ... | 945 | 335 | 214 | 25 | 6,943 | ... | ... | ... | ... | ... | ... | ... | ... | 8,462 |
| District Courts ... ... ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| Total ... | ... | 945 | 335 | 214 | 25 | 6,943 | ... | ... | ... | ... | .. | ... | ... | ... | 8,462 |
| COURTS AT THE PRESIDENCY OR SEAT OF GOVERNMENT. | | | | | | | | | | | | | | | |
| Presidency Small Cause Court. | 22,28 | ... | ... | ... | ... | ... | ... | .. | .. | ... | .. | ... | ... | ... | 22,286 |
| The City Civil Court ... ... | 88 | ... | ... | ... | ... | ... | 117 | 41 | ... | 104 | | .. | .. | 1 | 351 |
| Superior Courts ... ... ... | 101 | ... | ... | ... | ... | ... | 3 | 34 | ... | 44 | 2 | 7 | 12 | 30 | 233 |
| Total ... | 22,475 | ... | ... | ... | ... | ... | 120 | 75 | ... | 148 | 2 | 7 | 12 | 31 | 22,870 |
| Grand Total ... | 316,030 | 945 | 335 | 214 | 25 | 6,943 | 15,494 | 3,698 | 22 | 29,330 | 24 | 116 | 39 | 577 | 373,792 |

# F.—JUDICIAL STATEMENTS—(CIVIL)—*continued.*

(40)—*Statement showing the number and value of suits instituted in the civil and revenue courts in the province of Madras in the year* 1898.

| Value of suits. | Number of suits instituted in the different courts. | | | | | | | | | | Total value of suits. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Not exceeding Rs. 10. | Ditto Rs. 20. | Ditto Rs. 50. | Ditto Rs. 100. | Ditto Rs. 500. | Ditto Rs. 1,000. | Ditto Rs. 5,000. | Ditto Rs. 10,000. | Exceeding Rs. 10,000. | Number of suits, the value of which cannot be estimated in money. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| COURTS IN THE INTERIOR. | | | | | | | | | | | Rs. |
| I.—*Civil Courts.* | | | | | | | | | | | |
| Unpaid Tribunals ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Village Courts ... ... ... ... ... | 61,949 | 35,315 | 413 | 68 | 11 | ... | ... | ... | ... | ... | ... |
| Paid Sub-Divisional Tribunals ... ... ... | 30,620 | 35,349 | 71,420 | 34,665 | 38,953 | 5,749 | 2,620 | ... | ... | 744 | 2,17,77,654 |
| Small Cause Courts (at the Cantonments) ... | 37 | 50 | 87 | 47 | 39 | ... | ... | ... | ... | ... | 13,448 |
| District Courts other than Chief Courts of Districts ... ... ... ... ... ... | 21 | 60 | 369 | 9,101 | 11,237 | 41 | 477 | 161 | 127 | 26 | 98,15,670 |
| Chief Courts of Districts ... ... ... ... | 1 | ... | 1 | 653 | 1,115 | 5 | 229 | 93 | 59 | 55 | 40,17,992 |
| Total ... | 92,628 | 70,774 | 72,290 | 44,534 | 51,355 | 5,795 | 3,326 | 254 | 186 | 825 | 3,56,24,764 |
| II.—*Revenue Courts.* | | | | | | | | | | | |
| Unpaid Local Tribunals ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Subordinate Courts ... ... ... ... | 2,467 | 1,823 | 2,294 | 1,146 | 658 | 29 | 7 | 1 | ... | 37 | 3,47,153 |
| District Courts ... ... ... ... ... .. | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 2,467 | 1,823 | 2,294 | 1,146 | 658 | 29 | 7 | 1 | ... | 37 | 3,47,153 |
| COURTS AT THE PRESIDENCY OR SEAT OF GOVERNMENT. | | | | | | | | | | | |
| Presidency Small Cause Court ... .. .. | 7,514 | 4,066 | 4,884 | 2,646 | 2,673 | 341 | 162 | ... | ... | ... | 14,82,370 |
| The City Civil Court ... ... ... ... ... | 2 | 6 | 26 | 26 | 111 | 70 | 110 | ... | ... | ... | 2,88,086 |
| Superior Courts ... ... ... ... ... ... | ... | ... | ... | ... | ... | 2 | 105 | 48 | 65 | 13 | 37,32,624 |
| Total ... | 7,516 | 4,072 | 4,910 | 2,672 | 2,784 | 413 | 377 | 48 | 65 | 13 | 55,03,080 |
| Grand Total ... | 102,611 | 76,669 | 79,494 | 48,352 | 54,797 | 6,237 | 3,710 | 303 | 251 | 875 | 4,14,74,997 |

# F.—JUDICIAL STATEMENTS—(CIVIL)—*continued.*

(11)—*Statement showing the general result of the trial of civil and revenue cases in the courts of original jurisdiction in the province of Madras in the year* 1898.

## PART I.—CIVIL SUITS.

| Class of courts. | Total number of suits before the courts. | Number of suits disposed of. | | | | | | | | | | Pending at the close of the year. | Number of cases pending more than three months at the close of the year. | Average duration of suits. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Transferred to courts in other provinces. | Without contest. | | | | | On reference to arbitration. | | With contest. | | | | | |
| | | | Without trial.* | Compromised. | Decreed on confession. | Decreed *ex parte*.† | Dismissed *ex parte*. | For plaintiff. | For defendant. | Judgment for plaintiff in whole or in part. | Judgment for defendant. | | | Contested. | Uncontested. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| COURTS IN THE INTERIOR. | | | | | | | | | | | | | | | |
| I.—*Civil Courts.* | | | | | | | | | | | | | | | |
| Unpaid Tribunals ... ... ... | ... | ... | ... | ... | | | ... | ... | | ... | | ... | | ... | ... |
| Village Courts ... ... ... | 106,220 | ... | ... | ... | | | ... | ... | | ... | | 7,505 | | ... | ... |
| Paid Sub-Divisional Tribunals ... | 255,676 | .. | 27,494 | 16,667 | 14,811 | 93,887 | 1,903 | 1,134 | 1,164 | 50,839 | 16,363 | 31,914 | 11,788 | 124 | 84 |
| Small Cause Courts (at the Cantonments) ... ... ... ... | 274 | .. | 19 | 6 | 72 | 127 | ... | ... | ... | 29 | 4 | 17 | 3 | 41 | 30 |
| District Courts other than Chief Courts of Districts ... ... ... | 25,032 | .. | 1,626 | 1,665 | 1,127 | 10,260 | 98 | 90 | 94 | 5,126 | 1,293 | 3,653 | 894 | 99 | 40 |
| Chief Courts of Districts ... ... | 3,241 | . | 334 | 294 | 176 | 786 | 16 | 24 | 23 | 620 | 294 | 674 | 259 | 192 | 62 |
| Total ... | 284,223 | ... | 29,473 | 18,632 | 15,686 | 105,060 | 2,017 | 1,248 | 1,281 | 56,614 | 17,954 | 36,258 | 12,984 | ... | ... |
| II.—*Revenue Courts.* | | | | | | | | | | | | | | | |
| Unpaid Local Tribunals ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Subordinate Courts ... ... | 12,996 | ... | 1,210 | 286 | 170 | 2,628 | 257 | 2 | ... | 3,198 | 2,081 | 3,164 | 2,655 | 126 | 140 |
| District Courts ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 12,996 | ... | 1,210 | 286 | 170 | 2,628 | 257 | 2 | ... | 3,198 | 2,081 | 3,164 | 2,655 | .. | ... |
| COURTS AT THE PRESIDENCY OR SEAT OF GOVERNMENT. | | | | | | | | | | | | | | | |
| Presidency Small Cause Court ... | 23,837 | .. | 954 | 5,367 | 3,983 | 8,910 | 70 | 70 | 95 | 1,942 | 653 | 1,803 | 206 | 39 | 27 |
| The City Civil Court ... ... ... | 525 | ... | 16 | 33 | 29 | 62 | 12 | 1 | ... | 127 | 84 | 181 | 113 | 265 | 55 |
| Superior Courts ... ... ... | 376 | ... | 44 | 9 | 25 | 71 | 2 | 14 | 1 | 82 | 43 | 35 | 39 | 195 | 107 |
| Total ... | 24,738 | ... | 1,014 | 5,409 | 4,037 | 9,033 | 84 | 85 | 96 | 2,151 | 760 | 2,069 | 358 | ... | ... |
| Grand Total ... | 321,957 | ... | 31,697 | 24,327 | 19,893 | 116,721 | 2,358 | 1,335 | 1,377 | 61,963 | 20,795 | 41,491 | 15,997 | ... | ... |

* Of these, 512 were restored to file.

† Of these, 704 were re-admitted.

## PART II.—MISCELLANEOUS CASES (JUDICIAL).

| Class of courts. | Total number of cases before the courts. | Number of cases disposed of. | | | | | | | | | | Pending at the close of the year. | Number of cases pending more than three months at the close of the year. | Average duration of cases, contested and uncontested. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Transferred to courts in other provinces. | Without contest. | | | | | On reference to arbitration. | | With contest. | | | | |
| | | | Without trial. | Compromised. | Decreed on confession. | Decreed *ex parte*. | Dismissed *ex parte*. | For plaintiff. | For defendant. | Judgment for plaintiff in whole or in part. | Judgment for defendant. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| COURTS IN THE INTERIOR. | | | | | | | | | | | | | | |
| I.—*Civil Courts.* | | | | | | | | | | | | | | |
| Unpaid Tribunals ... ... ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Village Courts ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Paid Sub-Divisional Tribunals ... | 304,587 | ... | 219,421 | 2,128 | 21,035 | 29,268 | 1,686 | 90 | 56 | 12,985 | 11,175 | 6,748 | 223 | 22 |
| Small Cause Courts (at the Cantonments) ... ... ... ... | 34 | ... | 4 | .. | 6 | 20 | ... | ... | ... | 3 | ... | 1 | ... | 76 |
| District Courts other than Chief Courts of Districts ... ... ... | 28,916 | ... | 20,893 | 331 | 1,351 | 2,676 | 244 | 4 | 3 | 1,256 | 1,151 | 1,007 | 92 | 30 |
| Chief Courts of Districts ... ... | 16,989 | .. | 10,384 | 70 | 542 | 2,080 | 121 | 6 | 5 | 1,674 | 1,161 | 946 | 187 | 53 |
| Total ... | 350,526 | ... | 250,702 | 2,529 | 22,934 | 34,044 | 2,051 | 100 | 64 | 15,918 | 13,487 | 8,697 | 502 | ... |
| II.—*Revenue Courts.* | | | | | | | | | | | | | | |
| Unpaid Local Tribunals ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Subordinate Courts ... ... | 12,361 | ... | 11,192 | 58 | 11 | 203 | 69 | ... | ... | 192 | 103 | 533 | 118 | 67 |
| District Courts ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 12,361 | ... | 11,192 | 58 | 11 | 203 | 69 | ... | ... | 192 | 103 | 533 | 118 | ... |
| COURTS AT THE PRESIDENCY OR SEAT OF GOVERNMENT. | | | | | | | | | | | | | | |
| Presidency Small Cause Court ... | 3,338 | ... | 386 | 71 | 319 | 1,497 | 231 | ... | ... | 829 | 317 | 158 | 5 | 11 |
| The City Civil Court ... ... | 1,059 | ... | 792 | ... | ... | 5 | 20 | ... | ... | 100 | 83 | 61 | 9 | 39 |
| Superior Courts ... ... ... | ‡ 2,342 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 4,897 | ... | 1,178 | 71 | 319 | 1,500 | 251 | ... | .. | 929 | 430 | 219 | 14 | ... |
| Grand Total ... | 367,784 | ... | 263,072 | 2,658 | 23,264 | 35,747 | 2,371 | 100 | 64 | 17,039 | 14,020 | 9,449 | 634 | ... |

‡ The total number disposed of.

# F.—JUDICIAL STATEMENTS—(CIVIL)—*continued.*

(42)—*Statement showing the business of the civil appellate courts of the province of Madras in the year* 1898.

## PART I.—APPEALS FROM DECREES.

| Class of courts. | Total number of appeals before the courts. | Transferred to courts in other provinces. | Decisions confirmed, section 551, C.P.C. | Dismissed for default or otherwise not prosecuted. | Heard *ex parte*. | | | | Contested. | | | | Pending. | Of these, pending more than three months. | Average duration of appeals. | Objections under section 561, Act XIV of 1882. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Confirmed. | Modified. | Reversed. | Remanded. | Confirmed. | Modified. | Reversed. | Remanded. | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| COURTS IN THE INTERIOR. | | | | | | | | | | | | | | | | |
| *Appeals from Original Decrees.* | | | | | | | | | | | | | | | | |
| A.—*Civil Courts.* | | | | | | | | | | | | | | | | |
| District Appellate Courts other than Chief Courts of Districts .. | 3,074 | ... | 3 | 78 | 23 | 11 | 7 | 10 | 1,314 | 382 | 348 | 151 | 747 | 355 | 112 | 142 |
| Chief Appellate Courts of Districts ... ... .. .. | 11,662 | ... | 240 | 407 | 248 | 31 | 92 | 71 | 4,059 | 1,067 | 1,190 | 397 | 3,870 | 1,676 | 212 | 319 |
| Superior Appellate Courts other than Chief Court of Province ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total .. | 14,736 | ... | 243 | 485 | 271 | 42 | 99 | 81 | 5,373 | 1,449 | 1,538 | 538 | 4,617 | 2,031 | ... | 461 |
| B.—*Revenue Courts.* | | | | | | | | | | | | | | | | |
| Collectors' Appellate Courts .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| COURTS AT THE PRESIDENCY OR SEAT OF GOVERNMENT. | | | | | | | | | | | | | | | | |
| *Chief Court of Province.* | | | | | | | | | | | | | | | | |
| Appeals from Original Decrees ... | 743 | ... | ... | 29 | 7 | ... | ... | 1 | 280 | 63 | 81 | 65 | 217 | 150 | 294 | 33 |
| Appeals from Appellate Decrees. | 3,562 | ... | 375 | 45 | 50 | 16 | 12 | 9 | 1,151 | 197 | 199 | 70 | 1,438 | 1,084 | 350 | 111 |
| Total ... | 4,305 | ... | 375 | 74 | 57 | 16 | 12 | 10 | 1,431 | 260 | 280 | 135 | 1,655 | 1,234 | ... | 144 |
| Grand Total ... | 19,041 | ... | 618 | 559 | 328 | 58 | 111 | 91 | 6,804 | 1,709 | 1,818 | 673 | 6,272 | 3,265 | ... | 605 |

## PART II.—MISCELLANEOUS (JUDICIAL) CASES BEFORE APPELLATE COURTS.

| Class of courts. | Miscellaneous cases before appellate courts. | Transferred to courts in other provinces. | Decisions confirmed, section 551, C.P.C. | Dismissed for default or otherwise not prosecuted. | Heard *ex parte*. | | | | Contested. | | | | Pending. | Of these, pending more than three months. | Average duration of miscellaneous cases before appellate courts. | Objections under section 561, Act XIV of 1882. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Confirmed. | Modified. | Reversed. | Remanded. | Confirmed. | Modified. | Reversed. | Remanded. | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| COURTS IN THE INTERIOR. | | | | | | | | | | | | | | | | |
| *Appeals from Original Orders.* | | | | | | | | | | | | | | | | |
| A.—*Civil Courts.* | | | | | | | | | | | | | | | | |
| District Appellate Courts other than Chief Courts of Districts... | 46 | ... | ... | 2 | 2 | 1 | 3 | ... | 9 | 1 | 5 | 10 | 13 | 3 | 56 | ... |
| Chief Appellate Courts of Districts ... ... ... ... | 425 | ... | 21 | 30 | 4 | 3 | 6 | 1 | 192 | 10 | 88 | 21 | 49 | 10 | 81 | 1 |
| Superior Appellate Courts other than Chief Court of Province ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 471 | ... | 21 | 32 | 6 | 4 | 9 | 1 | 201 | 11 | 93 | 31 | 62 | 13 | ... | 1 |
| B.—*Revenue Courts.* | | | | | | | | | | | | | | | | |
| Collectors' Appellate Courts ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| COURTS AT THE PRESIDENCY OR SEAT OF GOVERNMENT. | | | | | | | | | | | | | | | | |
| *Chief Court of Province.* | | | | | | | | | | | | | | | | |
| Appeals from Original Orders ... | 97 | ... | 2 | 2 | 3 | ... | 2 | 1 | 35 | 2 | 13 | 5 | 32 | 6 | 202 | 1 |
| Appeals from Appellate Orders... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | 97 | ... | 2 | 2 | 3 | ... | 2 | 1 | 35 | 2 | 13 | 5 | 32 | 6 | ... | 1 |
| Grand Total ... | 568 | ... | 23 | 34 | 9 | 4 | 11 | 2 | 236 | 13 | 106 | 36 | 94 | 19 | ... | 2 |

# F.—JUDICIAL STATEMENTS—(CIVIL)—*continued.*

(43)—*Statement showing the result of proceedings on applications for the execution of the decrees of the civil and revenue courts in the province of Madras in the year* 1898.

| Class of courts. | Total number of applications for the execution of decrees before the courts. | Applications disposed of | | | | Pending at the end of the year. | Number of applications pending more than three months at the close of the year. | Amount realized. | Number of applications. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | By transfer. | Satisfaction obtained in full. | Satisfaction obtained in part. | Wholly infructuous. | | | | On which the judgment-debtor was imprisoned. | On which he was arrested, but released without imprisonment. | On which moveable property | | On which immoveable property | | | On which possession was given | | On which specific performance was enforced. | On which partition was effected. | On which execution was effected otherwise than in the preceding columns. |
| | | | | | | | | | | | Was sold. | Was attached, but subsequently released. | Was sold. | Was dealt with under sections 305, 322, or 326, Act XIV of 1882. | Was attached, but subsequently released under section 275. | Of moveables. | Of immoveables. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | | | | | | | | Rs. | | | | | | | | | | | | |
| **Courts in the interior.** | | | | | | | | | | | | | | | | | | | | |
| *I.—Civil Courts.* | | | | | | | | | | | | | | | | | | | | |
| Unpaid Tribunals ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Village Courts ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Paid Sub-Divisional Tribunals ... ... | 235,956 | 98 | 84,982 | 25,564 | 150,606 | 24,706 | 3,079 | 43,68,037 | 738 | 8,242 | 2,273 | 2,425 | 13,469 | 310 | 1,874 | 51 | 6,212 | 62 | 48 | 61,699 |
| Small Cause Courts (at the Cantonment) | 104 | ... | 42 | 23 | 26 | 13 | 6 | 3,403 | 4 | ... | 10 | 10 | | | | | | | | 59 |
| District Courts other than Chief Courts of Districts ... ... ... | 24,374 | 423 | 3,480 | 1,687 | 16,307 | 2,468 | 219 | 12,75,267 | 228 | 1,372 | 328 | 334 | 215 | 1 | 82 | 5 | 92 | 2 | 7 | 5,302 |
| Chief Courts of Districts ... ... ... | 4,100 | 76 | 577 | 340 | 2,435 | 672 | 224 | 4,55,504 | 20 | 157 | 60 | 116 | 59 | 6 | 23 | 6 | 76 | 5 | 11 | 605 |
| Total ... | 264,534 | 597 | 39,090 | 27,614 | 169,374 | 27,859 | 3,528 | 61,02,261 | 990 | 9,771 | 2,671 | 2,885 | 13,743 | 317 | 1,979 | 62 | 6,380 | 69 | 66 | 70,9[illegible] |
| *II.—Revenue Courts.* | | | | | | | | | | | | | | | | | | | | |
| Unpaid Local Tribunals ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Subordinate Courts ... ... ... | 2,439 | 5 | 1,084 | 202 | 300 | 848 | 290 | 9,842 | ... | ... | 12 | 107 | 14 | 26 | 1 | ... | 18 | ... | ... | 865 |
| District Courts ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 2,439 | 5 | 1,084 | 202 | 300 | 848 | 290 | 9,842 | ... | ... | 12 | 107 | 14 | 26 | 1 | ... | 18 | ... | ... | 865 |
| **Courts at the Presidency or Seat of Government.** | | | | | | | | | | | | | | | | | | | | |
| Presidency Small Cause Court ... ... | 20,002 | ... | 3,555 | 393 | 12,939 | 3,115 | 249 | 2,18,528 | 405 | 530 | 409 | 530 | 43 | | 28 | ... | 177 | | | 1,907 |
| The City Civil Court ... ... ... ... | 555 | 2 | 140 | 40 | 189 | 194 | 78 | 59,081 | 1 | 7 | 1 | 13 | 4 | | 3 | ... | 25 | | | 62 |
| Superior Courts ... ... ... ... ... | 555 | 55 | 103 | 11 | 34 | 352 | ... | 50,750 | 12 | 13 | 7 | 10 | | | | ... | 23 | | | 66 |
| Total ... | 21,112 | 57 | 3,798 | 444 | 13,162 | 3,651 | 327 | 3,28,359 | 418 | 550 | 417 | 553 | 47 | | 31 | ... | 225 | ... | ... | 2,025 |
| Grand Total ... | 288,085 | 659 | 43,972 | 28,260 | 182,836 | 32,358 | 4,145 | 64,40,462 | 1,408 | 10,321 | 3,100 | 3,545 | 13,804 | 343 | 2,011 | 62 | 6,623 | 69 | 66 | 73,518 |

## F.—JUDICIAL STATEMENTS—(CIVIL)—*continued.*

(44)—*Statement showing the number and result of applications and proceedings under Chapter XX, Act XIV of* 1882, *in the province of Madras in the year* 1898.

| Class of courts. | Applications for a declaration of insolvency. | | | | | | | | Number of insolvents discharged during the year under section 355. | Number of insolvents' estates in the hands of receivers in which proceedings were finally closed during the year. | Amount of creditors' claims dealt with during the year. | | Gross amount of insolvents' assets realized and disbursed. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total number for hearing. | Transferred to another province, withdrawn, &c. | Granted. | | Rejected. | | | Pending at the close of the year. | | | Admitted. | Satisfied. | Realized during the year. | Disbursed during the year. |
| | | | A receiver being appointed. | A receiver not being appointed. | Penal proceedings under section 359 not being taken. | Sentence of imprisonment being passed under section 359. | Applicant being sent to the Magistrate to be dealt with. | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Courts other than Chief Courts of Districts ... ... ... ... ... | 733 | 247 | 25 | 142 | 153 | 5 | . | 161 | 40 | 9 | 35,336 | ... | 4,461 | 4,051 |
| Chief Courts of Districts ... ... ... | 39 | 15 | .. | 2 | 12 | ... | . | 10 | ... | 1 | ... | ... | 4,228 | ... |
| Superior Courts ... ... ... ... | ... | .. | ... | ... | . | ... | .. | .. | .. | . | ... | ... | ... | ... |
| Total ... | 772 | 262 | 25 | 144 | 165 | 5 | ... | 171 | 40 | 10 | 35,336 | ... | 8,689 | 4,051 |

# G.—REGISTRATION.

(45)—*Statement of deeds registered in the Registration Offices of the Madras Presidency for the year* 1898-99.

| Districts. | Number of Registration offices. | Registrations affecting immoveable property, Book I. — Compulsory. | | | | | | | | | Registrations affecting immoveable property, Book I. — Optional. | | | | | | | | | Registrations affecting moveable property, Book IV. — Compulsory. | | | | | | Number of sealed [illegible] deposited, Book V. | Number of Wills registered, Book III. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Instruments of gift (Section 17, clause *a*). | Instruments of sale or exchange of the value of Rs. 100 and upwards. | Instruments of sale or exchange of the value less than Rs. 100 (Sections 54 and 118 of the Transfer of Property Act). | Instruments of mortgage of the value of Rs. 100 and upwards. | Other instruments registered under Section 17, clauses *b* and *c*, or section 5 of the Indian Trusts Act of 1882. | Perpetual leases (Section 17, clause *d*). | All leases (other than perpetual leases) which have been compulsorily registered under Section 17, clause *d*. | Total of compulsory registrations. | Ordinary fees paid for the same. | Instruments of sale or exchange of value less than Rs. 100. | Instruments of mortgage of value less than Rs. 100. | Other instruments registered under Section 18, clauses *a* and *b*. | Leases for one year or less (Section 18, clause *c*). | Leases exempted under the proviso in Section 17. | Awards (Section 17, clause *i*). | Miscellaneous registrations other than certified copies of decrees and orders of court. | Certified copies of decrees and orders of court. | Total of optional registrations relating to immoveable property. | Ordinary fees paid for the same. | Total value of immoveable property transferred. | Instruments of gifts (Section 123, clause 2 of the Transfer of Property Act). | Instruments of sale, &c., of moveable property). | Obligations for the payment of money (Section 18, clause *f*). | All other documents registered under Section 18, clause *f*. | Total of registrations in Book IV. | Ordinary fees paid for the same | | |
| 1 | 2 | 3 | 4(*a*) | 4(*b*) | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 14(*a*) | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | | | | | | | | | | Rs. A. | | | | | | | | | Rs. A. | Rs. | | | | | | Rs. A. | | |
| Office of Inspector-Genl. of Registration. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | | | |
| Madras District | ... 3 | 79 | 1,804 | 222 | 2,250 | 405 | 4 | 1,325 | 6,089 | 18,112 8 | ... | 148 | 21 | 99 | 3 | 11 | 161 | 1 | 444 | 1,090 0 | 1,03,90,764 | 5 | 46 | 174 | 421 | 646 | 2,520 0 | 6 | 86 |
| Ganjám do. | ... 12 | 99 | 3,812 | 4,233 | 3,765 | 179 | 31 | 553 | 12,672 | 16,971 1 | ... | 3,083 | 86 | 403 | 291 | 2 | 76 | ... | 3,941 | 3,424 9 | 34,67,735 | 2 | 29 | 454 | 168 | 653 | 1,280 8 | | 87 |
| Vizagapatam do. | ... 14 | 135 | 2,398 | 1,473 | 3,977 | 327 | 29 | 942 | 9,281 | 14,751 1 | ... | 1,380 | 84 | 240 | 291 | 9 | 97 | 2 | 2,103 | 2,012 6 | 39,45,285 | 1 | 49 | [illegible] | 272 | 887 | 2,058 13 | | 109 |
| Godávari do. | ... 24 | 510 | 9,633 | 6,998 | 9,497 | 1,247 | 27 | 6,762 | 34,674 | 48,898 5 | ... | 5,878 | 417 | 693 | 1,805 | 6 | 251 | 2 | 9,052 | 7,531 10 | 1,04,81,858 | 4 | 243 | 2,088 | 1,350 | 3,685 | 6,170 8 | 2 | 258 |
| Kistna do. | ... 20 | 340 | 9,159 | 6,513 | 6,345 | 841 | 57 | 3,919 | 27,174 | 36,584 13 | ... | 3,201 | 219 | 198 | 803 | 1 | 57 | 2 | 4,481 | 3,835 3 | 64,75,056 | 6 | 74 | [illegible] | 267 | 1,017 | 1,729 6 | | 144 |
| Nellore do. | ... 18 | 210 | 2,874 | 3,638 | 4,097 | 412 | 48 | 2,648 | 13,927 | 17,626 6 | ... | 2,542 | 195 | 68 | 200 | 4 | 18 | 3 | 3,030 | 2,576 8 | 33,40,894 | 4 | 46 | [illegible] | 208 | 549 | 1,[illegible] 12 | | 150 |
| Cuddapah do. | ... 13 | 281 | 3,982 | 6,745 | 1,897 | 342 | 18 | 227 | 13,492 | 14,659 6 | ... | 1,631 | 171 | 104 | 70 | 3 | 193 | 3 | 2,175 | 1,795 6 | 21,13,594 | 7 | [illegible] | 159 | 153 | 477 | [illegible] 0 | | 149 |
| Kurnool do. | ... 14 | 203 | 2,409 | 3,402 | 1,825 | 194 | 11 | 915 | 8,359 | 10,249 4 | ... | 1,498 | 164 | 38 | 125 | 1 | 25 | 2 | 1,863 | 1,534 9 | 14,84,474 | 5 | [illegible] | 108 | [illegible] | 519 | 449 4 | 1 | 1 1 |
| Bellary and Anantapur Districts. | 21 | 226 | 3,987 | 4,658 | 4,392 | 407 | 25 | 282 | 13,977 | 18,087 15 | ... | 2,463 | 177 | 142 | 72 | ... | 166 | ... | 3,020 | 2,487 13 | 32,89,842 | | 56 | [illegible] | [illegible] | [illegible] | [illegible] 12 | | 94 |
| Chingleput District | ... 13 | 152 | 5,351 | 7,524 | 6,146 | 503 | 74 | 803 | 20,533 | 26,061 2 | ... | 7,193 | 311 | 157 | 258 | 11 | 73 | ... | 8,003 | 6,406 1 | 49,88,359 | 4 | 27 | 466 | 214 | 654 | 975 7 | 1 | 94 |
| North Arcot do. | ... 24 | 264 | 8,331 | 11,657 | 10,481 | 697 | 515 | 1,287 | 33,232 | 40,773 9 | ... | 12,165 | 469 | 263 | 200 | 10 | 97 | ... | 13,204 | 10,406 1 | 71,40,993 | 3 | 111 | [illegible] | [illegible] | 1,139 | 1,731 12 | 1 | 18. |
| South Arcot do. | ... 28 | 274 | 8,114 | 17,792 | 8,702 | 1,302 | 12 | 967 | 37,163 | 41,303 11 | ... | 16,091 | 1,923 | 561 | 432 | 24 | 116 | 2 | 19,149 | 14,096 3 | 68,17,945 | 3 | 55 | 463 | [illegible] | 884 | 1,266 6 | | 112 |
| Tanjore do. | ... 31 | 535 | 13,094 | 10,777 | 16,252 | 2,689 | 140 | 6,095 | 49,582 | 76,904 7 | ... | 10,759 | 823 | 888 | 1,503 | 6 | 869 | ... | 14,848 | 12,445 11 | 1,96,90,401 | 11 | 63 | [illegible] | [illegible] | [illegible] | [illegible] 2 | 3 | 400 |
| Tinnevelly do. | ... 32 | 382 | 17,071 | 13,820 | 25,601 | 5,236 | 77 | 1,083 | 63,270 | 93,611 8 | ... | 19,421 | 2,108 | 434 | 386 | ... | 1,500 | 2 | 23,851 | 20,001 11 | 2,05,77,378 | 6 | 57 | [illegible] | 1,007 | [illegible] | [illegible] 4 | 1 | 180 |
| Madura do. | ... 32 | 298 | 13,352 | 12,773 | 25,104 | 1,815 | 347 | 1,316 | 55,005 | 78,335 8 | ... | 25,749 | 928 | 610 | 567 | 11 | 393 | 2 | 28,260 | 22,418 9 | 1,73,66,197 | 1 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] 6 | | 184 |
| Trichinopoly do. | ... 14 | 155 | 6,574 | 7,810 | 9,193 | 845 | 59 | 1,473 | 26,109 | 35,359 5 | ... | 6,916 | 575 | 294 | 412 | 3 | 80 | ... | 8,280 | 6,610 12 | 72,03,536 | 3 | 14 | [illegible] | [illegible] | [illegible] | [illegible] 4 | | 174 |
| Salem do. | ... 23 | 186 | 6,946 | 7,986 | 9,953 | 896 | 257 | 917 | 27,141 | 34,651 12 | ... | 8,521 | 814 | 317 | 480 | 4 | 212 | 1 | 10,349 | 8,109 5 | 64,51,176 | 6 | 28 | [illegible] | [illegible] | [illegible] | [illegible] 2 | 2 | 165 |
| Coimbatore do. | ... 26 | 274 | 10,812 | 8,461 | 16,131 | 1,055 | 100 | 1,983 | 39,716 | 57,492 15 | ... | 11,224 | 1,147 | 414 | 1,004 | 1 | 437 | 2 | 14,229 | 10,914 11 | 1,24,79,668 | 3 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] 10 | 2 | 146 |
| South Canara do. | ... 15 | 104 | 1,393 | 510 | 4,907 | 2,712 | 1,884 | 1,089 | 12,599 | 23,056 11 | ... | 963 | 980 | 1,181 | 192 | 1 | 771 | 1 | 4,089 | 4,429 8 | 69,80,976 | 8 | 191 | [illegible] | [illegible] | [illegible] | [illegible] 7 | 1 | 70 |
| Tellicherry do. | ... 18 | 834 | 1,354 | 544 | 10,308 | 8,946 | 95 | 13,176 | 35,257 | 34,767 3 | ... | 9,900 | 5,939 | 2,508 | [illegible] | ... | 1,145 | 1 | 24,392 | 16,161 13 | [illegible] | 9 | 230 | [illegible] | [illegible] | [illegible] | [illegible] 6 | 2 | [illegible] |
| Calicut do. | ... 33 | 244 | 2,203 | 1,694 | 15,184 | 12,738 | 26 | 6,171 | 38,260 | 55,368 3 | ... | 21,524 | 9,490 | 10,477 | 458 | ... | 2,174 | 1 | 44,124 | 32,668 11 | 1,43,05,325 | 7 | 145 | [illegible] | [illegible] | [illegible] | [illegible] 7 | 3 | 101 |
| The Nilgiri do. | ... 3 | 10 | 473 | 433 | 591 | 42 | 3 | 52 | 1,604 | 4,090 13 | ... | 110 | 5 | 9 | 4 | ... | 82 | ... | 210 | 371 0 | 25,58,053 | | 7 | 23 | 28 | 58 | 171 4 | | 2 |
| Total | ... 431 | 5,775 | 135,126 | 139,663 | 196,598 | 44,730 | 3,839 | 53,985 | 579,716 | 7,97,717 3 | ... | 172,400 | 27,046 | 20,098 | 14,455 | 108 | 9,003 | 27 | 243,137 | 1,91,328 0 | 17,72,82,091 | 100 | 1,749 | 21,436 | 13,193 | 36,478 | 56,709 9 | 25 | 3,019 |

# G.—REGISTRATION—*continued.*

(45)—*Statement of deeds registered in the Registration Offices of the Madras Presidency for the year* 1898-99—continued.

| Districts. | Number of written authorities to adopt other than those conferred by wills, Book III. | Number of registrations under Section 24. | Number of registrations under Section 34. | Number of refusals to register. | Number of powers-of-attorney attested. | Number of searches or applications for copies. | Total ordinary fees, including the entries in columns 10, 19 and 25, and the total fees paid for registration under columns 28 and 29. | Amount of ordinary fees collected in advance during the several months of the year on instruments not admitted to registration. | Total ordinary fees on registered and unregistered documents. | Deduct amount of ordinary fees collected in advance on documents not admitted to registration in the several months of the year, but for which registration has been completed subsequently. | Balance showing the actual collections of the year (ordinary fees). | Total extraordinary fees and fines. | Amount of extraordinary fees and fines collected in advance during the several months of the year on instruments not admitted to registration. | Total extraordinary fees and fines on registered and unregistered documents. | Deduct amount of extraordinary fees and fines collected in advance on documents not admitted to registration in the several months of the year, but for which registration has been completed subsequently. | Balance showing the actual collections of the year (extraordinary fees and fines). | Total expenditure. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 35(*a*) | 35(*b*) | 35(*c*) | 35(*d*) | 36 | 36(*a*) | 36(*b*) | 36(*c*) | 36(*d*) | 37 | 38 |
| | | | | | | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| Office of Inspector-General of Registration. | ... | ... | ... | ... | ... | ... | ..... | ... .. | .. .. | ... .. | .. .. | 686 10 10 | ..... | 686 10 10 | ..... | 6-6 10 10 | * 1,62,535 9 5 | * This sum includes the following items :— Estimated value of papers for registers, stationery, packing materials, registration ink, and printing and binding done in the Government Press, Rs. 66,029-5-1, and amount debited for buildings, Rs. 62,305-11-2. |
| Madras District | ... | 2 | 5 | 15 | 325 | 1,573 | 21,902 5 0 | 794 0 0 | 22,696 5 0 | 611 8 0 | 22,084 13 0 | 7,426 2 7 | 114 8 9 | 7,540 11 4 | 259 11 9 | 7,280 15 7 | 18,864 5 4 | |
| Ganjám do. | 1 | 1 | 3 | 28 | 84 | 1,473 | 22,028 2 0 | 135 4 0 | 22,163 6 0 | 93 4 0 | 22,070 2 0 | 4,546 11 11 | 66 8 0 | 4,613 3 11 | 52 8 0 | 4,560 11 11 | 19,279 11 0 | |
| Vizagapatam do. | 1 | 5 | 5 | 29 | 185 | 2,074 | 19,242 4 0 | 254 12 0 | 19,497 0 0 | 235 12 0 | 19,261 4 0 | 8,280 14 1 | 143 0 0 | 8,423 14 1 | 141 8 0 | 8,282 6 1 | 20,801 13 7 | |
| Gódávari do. | 6 | 8 | 24 | 131 | 513 | 6,309 | 63,654 5 0 | 535 15 0 | 64,220 4 0 | 406 6 0 | 63,813 14 0 | 15,639 11 5 | 345 2 3 | 15,984 13 8 | 346 4 9 | 15,638 8 11 | 42,899 8 4 | |
| Kistna do. | 15 | 1 | 8 | 105 | 209 | 3,335 | 42,785 6 0 | 352 10 0 | 43,138 0 0 | 239 8 0 | 42,898 8 0 | 9,466 9 10 | 267 8 0 | 9,734 1 10 | 256 8 0 | 9,477 9 10 | 30,590 3 2 | |
| Nellore do. | 2 | 5 | 29 | 110 | 97 | 2,047 | 21,839 10 0 | 526 13 0 | 22,366 7 0 | 378 11 0 | 21,987 12 0 | 7,855 1 9 | 95 14 0 | 7,950 15 9 | 78 0 0 | 7,872 15 9 | 22,630 12 8 | |
| Cuddapah do. | ... | 6 | 7 | 35 | 42 | 1,341 | 17,774 12 0 | 215 8 0 | 17,990 4 0 | 164 8 0 | 17,825 12 0 | 5,176 0 9 | 60 8 0 | 5,236 8 9 | 36 8 0 | 5,200 0 9 | 18,607 2 9 | |
| Kurnool do. | ... | 2 | 1 | 34 | 27 | 956 | 12,752 13 0 | 97 0 0 | 12,849 13 0 | 62 12 0 | 12,787 1 0 | 2,400 6 6 | 23 2 0 | 2,423 8 6 | 17 0 0 | 2,406 8 6 | 17,620 4 6 | |
| Bellary and Anantapur Districts. | ... | 1 | 7 | 15 | 65 | 1,385 | 22,264 8 0 | 100 0 0 | 22,364 8 0 | 60 8 0 | 22,304 0 0 | 10,365 13 9 | 56 5 0 | 10,422 2 9 | 50 13 0 | 10,371 5 9 | 27,822 1 11 | |
| Chingleput District | ... | 1 | 26 | 30 | 46 | 92 | 2,263 | 33,818 2 0 | 282 4 0 | 34,100 6 0 | 164 0 0 | 33,936 6 0 | 7,749 12 9 | 307 11 4 | 8,057 8 1 | 394 4 4 | 7,663 3 9 | 27,024 4 8 |
| North Arcot do. | ... | 7 | 16 | 118 | 116 | 3,032 | 53,669 6 0 | 449 15 0 | 54,079 5 0 | 269 1 0 | 53,810 4 0 | 7,017 12 1 | 231 8 0 | 7,249 4 1 | 190 0 0 | 7,059 4 1 | 44,337 3 5 | |
| South Arcot do. | ... | 22 | 14 | 155 | 101 | 3,661 | 57,457 4 0 | 507 1 0 | 57,964 5 0 | 312 13 0 | 57,651 8 0 | 8,675 3 3 | 695 7 11 | 9,370 11 2 | 678 3 11 | 8,692 7 3 | 51,132 8 7 | |
| Tanjore do. | ... | 6 | 22 | 265 | 591 | 8,366 | 94,247 14 0 | 1,508 3 0 | 95,756 1 0 | 1,098 1 0 | 94,658 0 0 | 20,490 9 10 | 782 7 10 | 21,273 1 8 | 579 15 10 | 20,693 1 10 | 71,621 12 8 | |
| Tinnevelly do. | ... | 4 | 2 | 91 | 297 | 8,755 | 1,18,305 7 0 | 402 15 0 | 1,18,708 6 0 | 266 7 0 | 1,18,441 15 0 | 23,270 10 7 | 2,182 7 1 | 25,453 1 8 | 2,084 10 8 | 23,368 7 5 | 68,988 0 9 | |
| Madura do. | ... | ... | ... | 145 | 597 | 9,432 | 1,05,556 3 0 | 539 4 0 | 1,06,095 7 0 | 347 12 0 | 1,05,747 11 0 | 18,719 8 7 | 1,229 8 4 | 19,948 11 11 | 1,184 8 9 | 18,764 3 2 | 63,217 15 10 | |
| Trichinopoly do. | ... | 7 | 14 | 71 | 135 | 3,220 | 44,571 1 0 | 525 14 0 | 45,096 15 0 | 482 10 0 | 44,614 5 0 | 7,208 2 11 | 339 1 8 | 7,547 4 7 | 174 5 4 | 7,372 16 3 | 31,240 13 3 | |
| Salem do. | ... | 1 | 11 | 78 | 109 | 2,792 | 45,085 3 0 | 210 5 0 | 45,295 8 0 | 143 9 0 | 45,151 15 0 | 6,126 13 6 | 340 15 4 | 6,467 12 10 | 318 7 4 | 6,149 5 6 | 35,683 13 9 | |
| Coimbatore do. | ... | 6 | 13 | 87 | 176 | 4,980 | 71,206 3 0 | 349 6 0 | 71,615 9 0 | 246 0 0 | 71,369 9 0 | 8,837 15 6 | 254 14 4 | 9,092 13 10 | 166 11 4 | 8,926 2 6 | 47,132 6 4 | |
| South Canara do. | ... | 3 | 3 | 54 | 254 | 4,260 | 32,777 10 0 | 399 15 0 | 33,177 9 0 | 382 11 0 | 32,794 14 0 | 11,126 13 3 | 159 6 0 | 11,286 3 3 | 157 15 0 | 11,128 4 3 | 27,030 11 2 | |
| Tellicherry do. | ... | ... | 4 | 85 | 236 | 5,393 | 54,793 6 0 | 423 10 0 | 55,217 0 0 | 357 13 0 | 54,859 3 0 | 11,891 7 7 | 432 14 0 | 12,234 5 7 | 432 8 0 | 11,801 13 7 | 43,923 10 2 | |
| Calicut do. | ... | 23 | 17 | 146 | 602 | 7,357 | 97,481 8 0 | 965 13 0 | 98,397 5 0 | 936 7 0 | 97,460 14 0 | 17,128 5 2 | 837 6 0 | 17,965 11 2 | 768 12 0 | 17,196 15 2 | 77,278 4 8 | |
| The Nilgiri do. | ... | ... | 1 | 10 | 46 | 482 | 4,641 1 0 | 47 0 0 | 4,688 1 0 | 44 12 0 | 4,643 5 0 | 1,820 11 9 | 226 11 3 | 2,047 7 0 | 196 3 3 | 1,851 3 9 | 5,226 12 4 | |
| Total | 26 | 136 | 236 | 1,853 | 4,699 | 84,486 | 10,57,894 5 0 | 9,613 7 0 | 10,67,507 12 0 | 7,304 13 0 | 10,60,202 15 0 | 2,21,817 13 2 | 9,192 15 1 | 2,31,010 12 3 | 8,565 6 10 | 2,22,445 5 5 | 9,75,289 14 3 | |

# H.—MARINE.

(46)—*Statement showing the various Government vessels, &c., in charge of the Port Department in the year* 1898–99.

| Details of vessels. | Tonnage of each vessel, gross or register, and horse-power, indicated or nominal, of engine, if a steamer. | Number of officers. | Number of men. | Total annual cost. | Total annual earnings. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | | | Rs. A. P. | Rs. |
| RIVER-GOING VESSELS. | | | | | |
| Steam Dredger "Priestmans." | 28½ tons (G.), 14 horse-power (N.). | | 10 | 5,379 3 3 | |
| Steam Dredger "Connemara." | 35½ tons (G.), 11 horse-power (N.). | | 11 | 4,245 6 1 | . |
| Steam Launch "Empress." | 11 tons (G.), 7 tons (R.), 5 horse-power (N.). | | 1 | 340 0 0 | . |
| Steam Tug "Gódávari." | 39 tons (G.), 20 tons (R.), 80 horse-power (I.), 20 horse-power (N.). | ... | 9 | 3,001 6 6 | . |
| Steam Dredger (at Cuddalore). | 20 tons (G.), 12 tons (R.), 6 horse-power, (I. & N.). | ... | 6 | 2,702 7 2 | ... |
| Steam Dredger "Wenlock." | 333·70 tons (G.), 45 horse-power (N.). | . | * 5 | 5,330 4 0 | ... |
| Steam Launch (at Madras). | . . | ... | 7 | 2,704 8 6 | ... |
| Steam Dredger "Havelock." | 1 tons, 25 horse-power (N.). | .. | 7 | 4,458 12 7 | ... |

* Harbour crew while undergoing docking at Calcutta.

(47)—*Statement showing the number of officers and men employed otherwise than in Government vessels in the Port Department under the Government of Madras during the official year* 1898–99.

| Description of establishment. | Number of officers. | Number of men. | Total annual cost. | Total annual earnings. |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| *Madras.* | | | Rs. | Rs. |
| Port establishment ... ... ... ... ... ... | 4 | 98 | 50,397 | |
| Lighthouse establishment ... ... ... ... | ... | 4 | 2,477 | |
| Divers' establishment ... ... ... ... ... | ... | 2 | 2,345 | 1,11,349 |
| Marine police establish ment ... ... ... ... | ... | ... | 5,669 | |
| Marine dispensary establishment ... ... ... | ... | 2 | 3,372 | |
| Pilotage, Madras ... ... ... ... ... ... | ... | 58 | 20,811 | 47,499 |
| *Coast Ports.* | | | | |
| Port Officers and Conservators ... ... ... ... | 17 | 168 | 68,550 | |
| Lighthouses ... ... ... ... ... ... ... | ... | 98 | 19,521 | 3,67,243 |
| Pilotage (Pámban and Kilakarai, Cochin and Mangalore). | ... | 12 | 3,606 | 14,210 |
| Landing and shipping dues (Cocanada, Vazagapatam, Masulipatam, Negapatam, Tuticorin and Mangalore). | ... | 68 | 9,133 | 30,399 |
| Pier dues (Gopalpur, Tuticorin and Calicut) ... | ... | 7 | 939 | 35,299 |

# I.—COINAGE AND PAPER CURRENCY.

(48)—*Statement of coin and bullion of all kinds imported during the year* 1898–99.

| | Gold. | | Silver. | | Copper. | | Sovereigns imported during the year. |
|---|---|---|---|---|---|---|---|
| | By State. | Private. | By State. | Private. | By State. | Private. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | VALUE. | VALUE. | VALUE. | VALUE. | VALUE. | VALUE. | VALUE. |
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| Imported from foreign ports | ... | 5,04,777 | ... | 13,06,976 | ... | * 31,162 | Information is not available, sovereigns not being separately specified in the returns. |
| Imported coastwise (excluding British ports within the Presidency ... | ... | 71,023 | .. | 1,58,040 | † | *14,076 | |
| Total .. | ... | 5,75,800 | ... | 14,65,016 | ... | 45,238 | |

* This represents the value of unwrought copper.

† Not known, being included with other metal.

(49)—*Paper Currency—Madras and Calicut—for the year* 1898–99.

| Notes in circulation at the beginning of the year. Number and value of | | | Total value of notes cashed during the year. | Total value of notes issued during the year. | In circulation at the end of the year. Number and value of | | | Reserve at the end of the year stated in rupees. | | | | | | Securities. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Small notes under Rs. 50. | Notes of Rs. 50 and under Rs. 500. | Large notes of Rs. 500 and upwards. | | | Small notes under Rs. 50. | Notes of Rs. 50 and under Rs. 500. | Large notes of Rs. 500 and upwards. | Coin. | | | Bullion. | | | |
| | | | | | | | | Gold. | Silver. | Copper. | Gold. | Silver. | Copper. | |
| Value. RS. 53,72,360 | RS. 1,65,31,000 | RS. 2,27,95,500 | RS. 17,26,78,255 | RS. 16,61,31,655 | Value. RS. 37,76,860 | RS. 2,04,17,600 | RS. 1,19,78,000 | *Nil.* | RS. 2,42,59,180 | *Nil.* | *Nil.* | *Nil.* | *Nil.* | *Nil.* |
| No. 341,729 | No. 177,038 | No. 8,071 | | | No. 336,817 | No. 218,385 | No. 7,371 | | | | | | | |

# CHAPTER IV.—PRODUCTION AND DISTRIBUTION.

# A.—PRODUCE AND LABOUR.

(50)—*Statement showing the average rates of hire for live and dead stock per diem for the agricultural year* 1898–99.

| Districts. | | Rates of hire per diem for live-stock. | | | | | | Rates of hire per diem for dead-stock. | |
|---|---|---|---|---|---|---|---|---|---|
| | | Draught bullocks, each. | Donkeys, per score. | Elephants. | Horses. | Mules. | Ponies. | Boats. | Carts. |
| | | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. |
| Ganjam | Town | 0 4 | 1 8 | ... | ... | ... | 1 0 | ... | ... |
| | Village | 0 3 | ... | ... | ... | ... | 0 7 | 2 11 | ... |
| Vizagapatam | Town | 0 6 | 6 4 | ... | ... | ... | 0 9 | ... | 0 5 |
| | Village | 0 5 | 2 8 | ... | ... | ... | 0 5 | .. | 0 4 |
| Gódávari | Town | 0 6 | 2 1 | ... | 1 1 | ... | 0 8 | 1 6 | 0 7 |
| | Village | 0 5 | 1 9 | ... | 0 12 | ... | 0 6 | 1 11 | 0 7 |
| Kistna | Town | 0 8 | 2 8 | ... | 0 13 | ... | 0 7 | 7 8 | 0 5 |
| | Village | 0 7 | 2 3 | ... | 0 7 | ... | 0 7 | 6 10 | 0 5 |
| Nellore | Town | 0 7 | 2 12 | ... | 0 10 | ... | 0 7 | ... | 0 2 |
| | Village | 0 5 | 2 0 | ... | 1 1 | ... | 0 6 | ... | 0 3 |
| Kurnool | Town | 0 7 | 3 2 | ... | 0 7 | ... | 0 7 | ... | 0 4 |
| | Village | 0 5 | 2 6 | ... | 0 6 | ... | 0 5 | ... | 0 3 |
| Bellary | Town | 0 5 | 2 8 | ... | 0 8 | ... | 0 4 | ... | 0 2 |
| | Village | 0 4 | 2 11 | ... | 0 8 | ... | 0 6 | 4 0 | 0 2 |
| Anantapur | Town | 0 8 | 2 7 | ... | 1 0 | ... | 0 6 | ... | 0 3 |
| | Village | 0 6 | 1 14 | ... | 0 7 | ... | 0 6 | ... | 0 3 |
| Cuddapah | Town | 0 8 | 2 6 | ... | 0 13 | ... | 0 10 | 2 4 | 0 6 |
| | Village | 0 7 | 2 2 | ... | 0 13 | ... | 0 7 | 2 4 | 0 4 |
| North Arcot | Town | 0 7 | 1 5 | ... | ... | ... | 1 1 | ... | 0 3 |
| | Village | 0 4 | 0 13 | ... | ... | ... | 0 8 | ... | 0 2 |
| Chingleput | Town | 0 5 | 1 7 | ... | 0 9 | ... | 0 12 | 1 1 | 0 2 |
| | Village | 0 3 | 0 14 | ... | 0 9 | ... | 0 7 | 1 0 | 0 2 |
| Madras | Town | 0 8 | ... | ... | 1 8 | ... | 1 0 | ... | 0 4 |
| South Arcot | Town | 0 7 | ... | ... | 0 8 | ... | 0 7 | 2 4 | 0 3 |
| | Village | 0 5 | ... | ... | 0 12 | ... | 0 6 | 2 0 | 0 2 |
| Salem | Town | 0 5 | 1 15 | ... | 0 15 | ... | 0 7 | ... | 0 6 |
| | Village | 0 4 | 1 9 | ... | 0 13 | ... | 0 6 | ... | 0 5 |
| Coimbatore | Town | 0 6 | 3 12 | ... | 0 8 | ... | 0 6 | ... | 0 5 |
| | Village | 0 4 | 2 2 | ... | 0 12 | ... | 0 6 | 0 10 | 0 4 |
| Trichinopoly | Town | 0 6 | 1 4 | ... | 0 12 | 1 0 | 0 12 | ... | 0 3 |
| | Village | 0 3 | 1 4 | ... | 0 12 | ... | 0 8 | ... | 0 4 |
| Tanjore | Town | 0 6 | 3 12 | ... | 0 15 | ... | 0 11 | 1 0 | 0 5 |
| | Village | 0 5 | 2 10 | ... | 0 8 | ... | 0 8 | 1 15 | 0 4 |
| Madura | Town | 0 7 | 3 0 | ... | 0 15 | ... | 0 9 | ... | 0 7 |
| | Village | 0 6 | 3 10 | ... | 0 10 | ... | 0 7 | ... | 0 6 |
| Tinnevelly | Town | 0 7 | 1 10 | ... | ... | ... | 0 10 | ... | 0 4 |
| | Village | 0 7 | 1 8 | ... | 0 8 | ... | 0 6 | 1 8 | 0 3 |
| The Nilgiris | Town | 1 6 | ... | ... | 4 8 | ... | 2 0 | ... | 1 0 |
| | Village | 1 4 | ... | ... | ... | ... | 0 15 | ... | 0 12 |
| Malabar | Town | 0 8 | 1 14 | 4 8 | 1 11 | ... | 1 3 | 0 4 | 0 6 |
| | Village | 0 7 | 5 0 | 4 3 | 1 2 | ... | 0 14 | 0 4 | 0 4 |
| South Canara | Town | 0 8 | ... | ... | ... | ... | ... | 6 6 | 0 4 |
| | Village | 0 7 | ... | ... | ... | ... | ... | 0 6 | 0 |
| Average | Town | 0 7 | 2 8 | 4 8 | 1 1 | 1 0 | 0 11 | 2 0 | 0 5 |
| | Village | 0 6 | 2 3 | 4 3 | 0 11 | ... | 0 7 | 2 1 | 0 4 |

# B.—AGRICULTURE.

(51)—*Statement showing the total acreage, classification of areas, irrigation, crops, current fallows and stock in each district of the Madras Presidency during the agricultural year* 1897–98.

| Madras Presidency. | Districts. Ganjam. | Vizagapatam. | Godavari. | Kistna. | Nellore. | Kurnool. | |
|---|---|---|---|---|---|---|---|
| **A. 1.—Total Area.** | | | | | | | |
| 1. Area according to professional survey. | ACRES. 5,356,160 | ACRES. 11,035,181 | ACRES. 5,028,480 | ACRES. 5,438,720 | ACRES. 5,609,600 | ACRES. 4,972,160 | 1. Area according to professional survey. |
| 2. Deduct (*a*) Feudatory States ... | | | | | | 163,200 | 2. Deduct (*a*) Feudatory States. |
| 2. Deduct (*b*) Area for which no returns exist. | 4,077,763 | 10,336,490 | 1,930,334 | 1,186,826 | 2,375,040 | ... | 2. Deduct (*b*) Area for which no returns exist. |
| 3. Net area by professional survey ... | 1,278,397 | 698,691 | 3,098,146 | 4,251,894 | 3,234,560 | 4,808,960 | 3. Net area by professional survey. |
| 4. Corresponding area by village papers. | 1,278,397 | 698,691 | 3,154,458 | 4,186,692 | 3,177,017 | 5,165,003 | 4. Corresponding area by village papers. |
| **A. 2.—Classification of Area shown in column 4 of A. 1.** | | | | | | | |
| 1. Forests ... ... ... ... ... | 359,836 | 264,146 | 620,880 | 620,682 | 435,483 | 1,709,057 | 1. Forests. |
| 2. Not available for cultivation ... ... | 327,702 | 81,308 | 833,508 | 604,500 | 776,659 | 947,960 | 2. Not available for cultivation. |
| 3. Culturable waste other than fallow .. | 79,235 | 23,790 | 209,207 | 304,950 | 374,905 | 398,507 | 3. Culturable waste other than fallow. |
| 4. Current fallows ... ... ... ... | 32,519 | 94,016 | 462,217 | 527,021 | 495,288 | 273,919 | 4. Current fallows. |
| 5. Net area cropped during the year ... | 479,105 | 235,431 | 1,028,646 | 2,129,539 | 1,094,682 | 1,835,560 | 5. Net area cropped during the year. |
| Total ... | 1,278,397 | 698,691 | 3,154,458 | 4,186,692 | 3,177,017 | 5,165,003 | Total. |
| 6. Irrigated during the year from (*a*) Government canals. | 115,757 | 30,069 | 536,220 | 384,457 | 130,762 | 23,307 | 6. Irrigated during the year from (*a*) Government canals. |
| 6. Irrigated during the year from (*b*) Private canals ... | ... | 4,879 | 473 | 311 | 27 | 396 | 6. Irrigated during the year from (*b*) Private canals. |
| 6. Irrigated during the year from (*c*) Tanks ... .. | 99,270 | 58,531 | 75,095 | 32,637 | 104,124 | 38,058 | 6. Irrigated during the year from (*c*) Tanks. |
| 6. Irrigated during the year from (*d*) Wells ... .. | 1,661 | ... | 2,009 | 9,783 | 54,405 | 24,245 | 6. Irrigated during the year from (*d*) Wells. |
| 6. Irrigated during the year from (*e*) Other sources ... | 22,755 | 1,819 | 2,767 | 5,772 | 12,614 | 3,307 | 6. Irrigated during the year from (*e*) Other sources. |
| Total Area Irrigated ... | 239,443 | 95,298 | 616,564 | 432,960 | 301,932 | 89,313 | Total Area Irrigated. |
| 7. Crops irrigated. (*a*) Wheat ... ... | 3 | ... | ... | 2 | ... | 85 | 7. Crops irrigated. (*a*) Wheat. |
| 7. Crops irrigated. (*b*) Other cereals and pulses. | 250,670 | 119,396 | 629,077 | 425,301 | 312,084 | 94,411 | 7. Crops irrigated. (*b*) Other cereals and pulses. |
| 7. Crops irrigated. (*c*) Miscellaneous food crops. | 6,510 | 10,723 | 34,256 | 7,814 | 18,401 | 22,789 | 7. Crops irrigated. (*c*) Miscellaneous food crops. |
| 7. Crops irrigated. (*d*) Do. non-food crops. | 612 | 9,701 | 65,298 | 2,995 | 18,852 | 2,577 | 7. Crops irrigated. (*d*) Do. non-food crops. |
| Total ... | 257,795 | 139,820 | 728,631 | 436,112 | 349,337 | 119,862 | Total. |
| **A. 3.—Acreage under Crops.** | | | | | | | |
| *English or Vernacular names.* | | | | | | | *Botanical names.* |
| Cereals and pulses. 1. Rice ... ... ... | 333,912 | 119,540 | 699,824 | 508,221 | 245,173 | 68,353 | 1. Oryza sativa. |
| Cereals and pulses. 2. Wheat ... ... ... | 3 | ... | 103 | 2,651 | 36 | 2,310 | 2. Triticum sativum. |
| Cereals and pulses. 3. Barley ... ... ... | ... | ... | ... | ... | ... | ... | 3. Hordeum vulgare. |
| Cereals and pulses. 4. Cholum or Jowar (millet) | 3,286 | 11,389 | 93,374 | 452,261 | 341,927 | 723,209 | 4. Sorghum vulgare. |
| Cereals and pulses. 5. Cumbu or Bajra (millet) | 6,135 | 36,586 | 24,240 | 194,766 | 69,934 | 93,114 | 5. Pennisetum typhoideum. |
| Cereals and pulses. 6. Rági or mandua ... | 80,761 | 38,747 | 33,618 | 30,188 | 57,917 | 35,819 | 6. Eleusine coracana. |
| Cereals and pulses. 7. Maize ... ... ... | 426 | 22 | 1,748 | 58,379 | 10 | 486 | 7. Zea mays. |
| Cereals and pulses. 8. Bengal Gram (pulse) ... | ... | 121 | 14,125 | 49,377 | 4,013 | 19,068 | 8. Cicer arietinum. |
| Cereals and pulses. 9. Other food-grains, including pulses. | 54,041 | 60,111 | 144,703 | 466,901 | 247,595 | 562,723 | 9. Other food-grains, including pulses. |
| Total ... | 477,564 | 266,516 | 1,011,735 | 1,762,744 | 966,605 | 1,503,072 | Total. |
| Oil-seeds ... 10. Linseed ... .. ... | ... | ... | ... | 78 | 42 | 17,692 | 10. Linum usitatissimum. |
| Oil-seeds ... 11. Til or gingelly ... ... | 23,821 | 46,439 | 170,158 | 2,474 | 2,117 | 5,743 | 11. Sesamum indicum. |
| Oil-seeds ... 12. Others ... ... ... | 6,288 | 822 | 18,959 | 81,789 | 63,410 | 67,734 | 12. Others. |
| Total ... | 30,109 | 47,261 | 189,117 | 84,341 | 65,569 | 91,169 | Total. |
| 13. Condiments and spices. | 935 | 1,427 | 14,921 | 77,715 | 21,836 | 17,121 | 13. Condiments and spices. |
| Sugar ... 14. Sugarcane ... ... | 2,034 | 1,919 | 6,652 | ... | ... | 291 | 14. Saccharum officinarum. |
| Sugar ... 15. Others ... ... ... | 35 | 641 | 364 | 3,063 | 1,337 | ... | 15. Others. |
| Total ... | 2,069 | 2,560 | 7,016 | 3,063 | 1,337 | 291 | Total. |
| Fibres ... 16. Cotton ... ... ... | 2,596 | 4,473 | 3,951 | 154,574 | 16,746 | 228,888 | 16. Gossypium, sp. |
| Fibres ... 17. Jute ... ... .. | ... | ... | ... | ... | ... | ... | 17. Corchorus, sp. |
| Fibres ... 18. Others ... ... ... | 1,166 | 3,143 | 233 | 88,496 | 6,833 | 895 | 18. Others. |
| Total ... | 3,762 | 7,616 | 4,184 | 243,070 | 23,579 | 229,783 | Total. |
| Dyes ... 19. Indigo ... ... ... | 7 | 2,579 | 909 | 86,360 | 65,518 | 14,046 | 19. Indigofera tinctoria. |
| Dyes ... 20. Others ... ... ... | ... | ... | ... | ... | 19 | ... | 20. Others. |
| Total ... | 7 | 2,579 | 909 | 86,360 | 65,537 | 14,046 | Total. |
| Drugs and narcotics. 21. Opium ... ... ... | ... | ... | ... | ... | ... | ... | 21. Papaver somniferum. |
| Drugs and narcotics. 22. Coffee ... ... ... | ... | ... | ... | ... | ... | ... | 22. Coffea arabica. |
| Drugs and narcotics. 23. Tea ... ... ... | ... | ... | ... | ... | ... | ... | 23. Camellia theifera. |
| Drugs and narcotics. 24. Tobacco ... ... ... | 604 | 2,240 | 7,974 | 30,617 | 3,342 | 6,486 | 24. Nicotiana tabacum and Nicotiana rustica. |
| Drugs and narcotics. 25. Cinchona ... ... ... | ... | ... | ... | ... | ... | ... | 25. Cinchona, sp. |
| Drugs and narcotics. 26. Indian hemp ... ... | ... | ... | ... | 36 | ... | 7 | 26. Cannabis sativa. |
| Drugs and narcotics. 27. Others ... ... .. | 96 | ... | 108 | 141 | 377 | 5,919 | 27. Others. |
| Total ... | 709 | 2,240 | 8,082 | 30,794 | 3,719 | 12,412 | Total. |
| 28. Fodder crops ... ... ... ... | ... | ... | 27,105 | 35,590 | 53 | 12 | 28. Fodder crops. |
| 29. Orchards and garden produce ... | 20,621 | 6,496 | 52,394 | 11,558 | 10,439 | 4,875 | 29. Orchards and garden produce. |
| 30. Miscellaneous food crops ... ... | ... | ... | ... | ... | ... | ... | 30. Miscellaneous food crops. |
| 30. Do. non-food crops ... | 1,655 | 4 | 1,058 | 15,397 | 28,121. | 3,563 | 30. Do. non-food crops. |
| 31. Grand Total ... ... ... ... | 537,472 | 336,699 | 1,316,521 | 2,350,632 | 1,186,795 | 1,876,344 | 31. Grand Total. |
| 32. Area cropped more than once ... | 58,367 | 104,359 | 287,875 | 221,093 | 92,113 | 40,784 | 32. Area cropped more than once. |
| 33. (31-32) Net area cropped during the year. | 479,105 | * 232,340 | 1,028,646 | 2,129,539 | 1,094,682 | 1,835,560 | 33. (31-32) Net area cropped during the year. |

NOTE.—The above are the statistics for 1897–98, as finally revised. Owing to an alteration in the due date for the submission of this return, the figures for 1898–99 will be available only in the Presidency Administration Report for 1899–1900.

* Excludes 3,091 acres for which particulars of crops are not available.

# B.—AGRICULTURE—*continued.*

(51)—*Statement showing the total acreage, classification of areas, irrigation, crops, current fallows and stock in each district of the Madras Presidency during the agricultural year* 1897–98—continued.

| Madras Presidency. | Districts—*continued.* Bellary. | Anantapur. | Cuddapah. | North Arcot. | Chingleput. | Madras. | |
|---|---|---|---|---|---|---|---|
| **A. 1.—Total Area.** | | | | | | | |
| | ACRES. | ACRES. | ACRES. | ACRES. | ACRES. | ACRES. | |
| 1. Area according to professional survey. | 3,762,781 | 3,482,788 | 5,582,760 | 4,713,871 | 1,978,965 | 17,280 | 1. Area according to professional survey. |
| 2. Deduct (*a*) Feudatory States | 103,010 | .. | | | | | 2. Deduct (*a*) Feudatory States. |
| 2. Deduct (*b*) Area for which no returns exist. | . | ... | | 3,019,840 | 389,155 | 17,280 | 2. Deduct (*b*) Area for which no returns exist. |
| 3. Net area by professional survey | 3,659,771 | 3,482,788 | 5,582,760 | 2,694,031 | 1,589,810 | | 3. Net area by professional survey. |
| 4. Corresponding area by village papers. | 3,645,378 | 3,523,899 | 5,574,493 | 2,693,124 | 1,564,981 | | 4. Corresponding area by village papers. |
| **A. 2.—Classification of Area shown in column 4 of A. 1.** | | | | | | | |
| 1. Forests | 353,694 | 327,821 | 1,335,883 | 728,404 | 137,617 | | 1. Forests. |
| 2. Not available for cultivation | 474,231 | 502,046 | 1,625,035 | 586,782 | 475,331 | .. | 2. Not available for cultivation. |
| 3. Culturable waste other than fallow | 425,005 | 757,941 | 438,940 | 327,455 | 93,088 | | 3. Culturable waste other than fallow. |
| 4. Current fallows | 245,824 | 447,687 | 387,970 | 222,087 | 199,047 | ... | 4. Current fallows. |
| 5. Net area cropped during the year | 2,146,624 | 1,428,404 | 1,586,665 | 828,396 | 659,898 | .. | 5. Net area cropped during the year. |
| Total | 3,645,378 | 3,523,899 | 5,574,493 | 2,693,124 | 1,564,981 | ... | Total. |
| 6. Irrigated during the year from (*a*) Government canals. | 23,280 | 34,723 | 49,783 | 46,048 | 15,430 | ... | 6. Irrigated during the year from (*a*) Government canals. |
| 6. Irrigated during the year from (*b*) Private canals | 424 | 2,393 | 3,718 | 2,581 | 905 | .. | 6. Irrigated during the year from (*b*) Private canals. |
| 6. Irrigated during the year from (*c*) Tanks | 21,349 | 85,278 | 86,392 | 197,919 | 350,280 | ... | 6. Irrigated during the year from (*c*) Tanks. |
| 6. Irrigated during the year from (*d*) Wells | 20,306 | 45,895 | 131,413 | 116,001 | 28,033 | ... | 6. Irrigated during the year from (*d*) Wells. |
| 6. Irrigated during the year from (*e*) Other sources | 3,236 | 1,363 | 11,396 | 3,696 | 24,050 | ... | 6. Irrigated during the year from (*e*) Other sources. |
| Total Area Irrigated | 68,595 | 169,655 | 282,702 | 366,245 | 419,298 | ... | Total Area Irrigated. |
| 7. Crops irrigated. (*a*) Wheat | 1,069 | 269 | 598 | 24 | ... | ... | 7. Crops irrigated. (*a*) Wheat. |
| 7. Crops irrigated. (*b*) Other cereals and pulses. | 69,068 | 181,784 | 266,947 | 417,522 | 437,800 | ... | 7. Crops irrigated. (*b*) Other cereals and pulses. |
| 7. Crops irrigated. (*c*) Miscellaneous food crops. | 16,685 | 42,455 | 106,230 | 78,597 | 33,127 | ... | 7. Crops irrigated. (*c*) Miscellaneous food crops. |
| 7. Crops irrigated. (*d*) Do. non-food crops. | 1,171 | 2,722 | 23,118 | 6,064 | 10,536 | ... | 7. Crops irrigated. (*d*) Do. non-food crops. |
| Total | 87,993 | 227,230 | 396,893 | 497,207 | 481,463 | ... | Total. |
| **A. 3.—Acreage under Crops.** | | | | | | | |
| *English or Vernacular names.* | | | | | | | *Botanical names.* |
| Cereals and pulses. 1. Rice | 46,650 | 129,471 | 144,841 | 351,879 | 478,624 | ... | 1. Oryza sativa. |
| Cereals and pulses. 2. Wheat | 3,698 | 1,279 | 889 | 25 | ... | ... | 2. Triticum sativum. |
| Cereals and pulses. 3. Barley | ... | ... | ... | ... | ... | ... | 3. Hordeum vulgare. |
| Cereals and pulses. 4. Cholum or Jowar (millet) | 862,283 | 329,205 | 426,845 | 47,758 | 12,677 | ... | 4. Sorghum vulgare. |
| Cereals and pulses. 5. Cumbu or Bajra (millet) | 65,543 | 49,747 | 305,298 | 120,803 | 12,825 | ... | 5. Pennisetum typhoideum. |
| Cereals and pulses. 6. Rági or mandua | 34,554 | 90,944 | 161,053 | 138,284 | 75,486 | ... | 6. Eleusine coracana. |
| Cereals and pulses. 7. Maize | 226 | 51 | ... | 98 | 2 | ... | 7. Zea mays. |
| Cereals and pulses. 8. Bengal Gram (pulse) | 16,374 | 7,298 | 8,353 | 130 | ... | ... | 8. Cicer arietinum. |
| Cereals and pulses. 9. Other food-grains, including pulses. | 655,157 | 550,161 | 364,304 | 189,705 | 67,781 | ... | 9. Other food-grains, including pulses. |
| Total | 1,684,485 | 1,158,156 | 1,411,583 | 848,682 | 647,375 | ... | Total. |
| Oil-seeds 10. Linseed | ... | 1,819 | ... | ... | ... | ... | 10. Linum usitatissimum. |
| Oil-seeds 11. Til or gingelly | 33,404 | 27,861 | 4,439 | 34,193 | 10,574 | ... | 11. Sesamum indicum. |
| Oil-seeds 12. Others | 105,016 | 103,603 | 86,673 | 35,356 | 6,816 | ... | 12. Others. |
| Total | 138,420 | 133,283 | 91,112 | 69,549 | 17,390 | ... | Total. |
| 13. Condiments and spices. | 10,815 | 10,838 | 22,769 | 10,327 | 4,013 | ... | 13. Condiments and spices. |
| Sugar 14. Sugarcane | 6,718 | 872 | 2,537 | 5,190 | 129 | ... | 14. Saccharum officinarum. |
| Sugar 15. Others | 785 | 5,488 | 2,724 | 2,450 | 394 | ... | 15. Others. |
| Total | 7,503 | 6,360 | 5,261 | 7,640 | 523 | ... | Total. |
| Fibres 16. Cotton | 316,938 | 142,128 | 120,090 | 13 | ... | ... | 16. Gossypium, sp. |
| Fibres 17. Jute | ... | ... | ... | ... | ... | ... | 17. Corchorus, sp. |
| Fibres 18. Others | 260 | 77 | 486 | 377 | 242 | ... | 18. Others. |
| Total | 317,198 | 142,205 | 120,576 | 390 | 242 | ... | Total. |
| Dyes 19. Indigo | 994 | 2,599 | 34,809 | 15,994 | 23,683 | ... | 19. Indigofera tinctoria. |
| Dyes 20. Others | ... | ... | 52 | 323 | 136 | ... | 20. Others. |
| Total | 994 | 2,599 | 34,861 | 16,317 | 23,819 | ... | Total. |
| Drugs and narcotics. 21. Opium | ... | ... | ... | ... | ... | ... | 21. Papaver somniferum. |
| Drugs and narcotics. 22. Coffee | ... | ... | ... | ... | ... | ... | 22. Coffea arabica. |
| Drugs and narcotics. 23. Tea | ... | ... | ... | ... | ... | ... | 23. Camellia theifera. |
| Drugs and narcotics. 24. Tobacco | 2,579 | 1,024 | 2,167 | 886 | 120 | ... | 24. Nicotiana tabacum and Nicotiana rustica. |
| Drugs and narcotics. 25. Cinchona | ... | ... | ... | ... | ... | ... | 25. Cinchona, sp. |
| Drugs and narcotics. 26. Indian hemp | ... | ... | ... | 126 | ... | ... | 26. Cannabis sativa. |
| Drugs and narcotics. 27. Others | 567 | 1,314 | 1,622 | 1,758 | 1,541 | ... | 27. Others. |
| Total | 3,146 | 2,338 | 3,789 | 2,770 | 1,661 | ... | Total. |
| 28. Fodder crops | 1 | 103 | ... | 5 | ... | ... | 28. Fodder crops. |
| 29. Orchards and garden produce | 8,602 | 9,886 | 14,644 | 25,600 | 13,022 | ... | 29. Orchards and garden produce. |
| 30. Miscellaneous food crops | ... | ... | ... | ... | ... | ... | 30. Miscellaneous food crops. |
| 30. Do. non-food crops | 13,206 | 41,590 | 26,945 | 18,090 | 37,927 | . | 30. Do. non-food crops. |
| 31. Grand Total | 2,184,370 | 1,507,358 | 1,731,540 | 999,370 | 745,972 | ... | 31. Grand Total. |
| 32. Area cropped more than once | 37,746 | 78,954 | 144,875 | 170,974 | 86,074 | ... | 32. Area cropped more than once. |
| 33. (31-32) Net area cropped during the year. | 2,146,624 | 1,428,404 | 1,586,665 | 828,396 | 659,898 | ... | 33. (31-32) Net area cropped during the year. |

NOTE.—The above are the statistics for 1897–98, as finally revised. Owing to an alteration in the due date for the submission of this return, the figures for 1898–99 will be available only in the Presidency Administration Report for 1899–1900.

## B.—AGRICULTURE—*continued.*

(51)—*Statement showing the total acreage, classification of areas, irrigation, crops, current fallows and stock in each district of the Madras Presidency during the agricultural year* 1897-98—continued.

| Madras Presidency. | Districts *continued.* South Arcot. | Salem. | Coimbatore. | Trichinopoly. | Tanjore. | Madura. | |
|---|---|---|---|---|---|---|---|
| **A. 1.—Total Area.** | | | | | | | |
| | ACRES. | ACRES. | ACRES. | ACRES. | ACRES. | ACRES. | |
| 1 Area according to professional survey. | 3,338,230 | 4,818,579 | 5,030,420 | 3,028,480 | 2,371,724 | 5,640,462 | 1. Area according to professional survey. |
| 2. Deduct (a) Feudatory States .. | | | | 704,640 | ... | ... | 2. Deduct (a) Feudatory States. |
| 2. Deduct (b) Area for which no returns exist. | 22,400 | 1,311,834 | 106,880 | 385,233 | 177,470 | 3,377,552 | 2. Deduct (b) Area for which no returns exist. |
| 3. Net area by professional survey | 3,315,830 | 3,506,745 | 4,923,540 | 1,938,607 | 2,194,254 | 2,262,910 | 3. Net area by professional survey. |
| 4. Corresponding area by village papers. | 3,269,218 | 3,506,745 | 4,921,204 | 1,927,901 | 2,197,318 | 2,260,318 | 4. Corresponding area by village papers. |
| **A. 2.—Classification of Area shown in column 4 of A. 1.** | | | | | | | |
| 1. Forests ... ... ... ... | 449,076 | 803,265 | 1,378,711 | 178,114 | 11,519 | 392,904 | 1. Forests. |
| 2. Not available for cultivation ... | 797,928 | 815,667 | 503,253 | 314,886 | 517,018 | 425,141 | 2. Not available for cultivation. |
| 3. Culturable waste other than fallow .. | 319,195 | 356,370 | 261,854 | 192,776 | 128,085 | 225,505 | 3. Culturable waste other than fallow. |
| 4. Current fallows .. .. ... | 246,058 | 153,914 | 510,535 | 307,292 | 267,090 | 207,515 | 4. Current fallows. |
| 5. Net area cropped during the year ... | 1,456,961 | 1,287,529 | 2,266,851 | 934,833 | 1,273,606 | 1,009,253 | 5. Net area cropped during the year. |
| Total ... | 3,269,218 | 3,506,745 | 4,921,204 | 1,927,901 | 2,197,318 | 2,260,318 | Total. |
| 6. Irrigated during the year from (a) Government canals. | 141,210 | 26,534 | 74,973 | 104,657 | 827,994 | 34,835 | 6. Irrigated during the year from (a) Government canals. |
| (b) Private canals ... | 1,691 | 492 | 1,811 | ... | ... | 60 | (b) Private canals. |
| (c) Tanks . | 234,206 | 69,399 | 18,933 | 52,377 | 110,608 | 162,618 | (c) Tanks. |
| (d) Wells . . | 79,966 | 65,125 | 289,730 | 45,048 | 17,458 | 77,411 | (d) Wells. |
| (e) Other sources . | 13,280 | 8,111 | 4,806 | 4,865 | 1,754 | 1,246 | (e) Other sources. |
| Total Area Irrigated ... | 470,353 | 169,661 | 390,262 | 206,947 | 957,814 | 276,170 | Total Area Irrigated. |
| 7. Crops irrigated. (a) Wheat ... .. | ... | 943 | 815 | 1 | ... | 522 | 7. Crops irrigated. (a) Wheat. |
| (b) Other cereals and pulses. | 504,510 | 196,412 | 418,031 | 246,886 | 1,023,064 | 292,470 | (b) Other cereals and pulses. |
| (c) Miscellaneous food crops. | 47,039 | 34,911 | 73,387 | 36,298 | 19,602 | 71,140 | (c) Miscellaneous food crops. |
| (d) Do. non-food crops. | 11,766 | 9,787 | 35,694 | 7,529 | 5,734 | 7,385 | (d) Do. non-food crops. |
| Total ... | 563,315 | 242,053 | 527,927 | 290,714 | 1,048,400 | 371,517 | Total. |
| **A. 3.—Acreage under Crops.** | | | | | | | |
| *English or Vernacular names.* | | | | | | | *Botanical names.* |
| Cereals and pulses. 1. Rice ... ... ... | 516,482 | 130,491 | 107,692 | 224,469 | 1,074,746 | 225,874 | 1. Oryza sativa. |
| 2. Wheat ... ... ... | ... | 1,165 | 905 | 1 | ... | 601 | 2. Triticum sativum. |
| 3. Barley ... ... ... | ... | ... | ... | ... | ... | ... | 3. Hordeum vulgare. |
| 4. Cholum or Jowar (millet) | 38,938 | 84,003 | 653,340 | 159,284 | 1,255 | 194,332 | 4. Sorghum vulgare. |
| 5. Cumbu or Bajra (millet) | 282,904 | 334,884 | 667,076 | 169,556 | 24,059 | 92,160 | 5. Pennisetum typhoideum. |
| 6. Rági or mandua ... | 155,783 | 269,005 | 198,488 | 104,587 | 40,297 | 81,922 | 6. Eleusine coracana. |
| 7. Maize ... ... ... | ... | 1,484 | 37 | 554 | 18,509 | 10 | 7. Zea mays. |
| 8. Bengal Gram (pulse) ... | 730 | 3,160 | 14,947 | 300 | 37 | 307 | 8. Cicer arietinum. |
| 9. Other food-grains, including pulses. | 397,322 | 482,520 | 464,699 | 240,180 | 102,066 | 330,808 | 9. Other food-grains, including pulses. |
| Total ... | 1,392,254 | 1,306,712 | 2,087,184 | 898,931 | 1,260,969 | 926,014 | Total. |
| Oil-seeds ... 10. Linseed ... ... ... | ... | ... | ... | ... | ... | ... | 10. Linum usitatissimum. |
| 11. Til or gingelly ... ... | 71,791 | 71,447 | 92,756 | 20,814 | 21,842 | 68,739 | 11. Sesamum indicum. |
| 12. Others ... .. ... | 66,808 | 33,946 | 44,388 | 23,078 | 20,627 | 26,860 | 12. Others. |
| Total ... | 138,599 | 105,393 | 137,144 | 43,892 | 42,469 | 95,599 | Total. |
| 13. Condiments and spices. | 11,628 | 9,772 | 30,423 | 22,530 | 8,863 | 10,162 | 13. Condiments and spices. |
| Sugar ... 14. Sugarcane ... ... | 10,591 | 2,746 | 5,235 | 10,304 | 510 | 1,198 | 14. Saccharum officinarum. |
| 15. Others ... ... ... | 1,459 | 470 | 608 | 121 | 855 | 572 | 15. Others. |
| Total ... | 12,050 | 3,216 | 5,843 | 10,425 | 1,365 | 1,770 | Total. |
| Fibres ... 16. Cotton ... ... ... | 5,834 | 13,986 | 221,007 | 13,233 | 2,135 | 60,612 | 16. Gossypium, sp. |
| 17. Jute ... ... ... | ... | ... | ... | ... | ... | ... | 17. Corchorus, sp. |
| 18. Others ... ... ... | 272 | 689 | 458 | 1,180 | 334 | 23 | 18. Others. |
| Total ... | 6,106 | 14,675 | 221,465 | 14,413 | 2,469 | 60,635 | Total. |
| Dyes ... 19. Indigo ... ... ... | 65,229 | 4,182 | 5 | 5,245 | 1,120 | 77 | 19. Indigofera tinctoria. |
| 20. Others ... ... ... | ... | 285 | ... | 121 | 297 | 3 | 20. Others. |
| Total ... | 65,229 | 4,467 | 5 | 5,366 | 1,417 | 80 | Total. |
| Drugs and narcotics. 21. Opium .. ... ... | ... | ... | ... | ... | ... | ... | 21. Papaver somniferum. |
| 22. Coffee ... ... ... | ... | 11,271 | 1,207 | ... | ... | 6,161 | 22. Coffea arabica. |
| 23. Tea ... ... ... | ... | ... | ... | ... | ... | ... | 23. Camellia theifera. |
| 24. Tobacco ... ... ... | 4,251 | 3,598 | 23,161 | 1,448 | 2,393 | 5,297 | 24. Nicotiana tabacum and Nicotiana rustica. |
| 25. Cinchona ... ... | ... | ... | ... | ... | ... | 13 | 25. Cinchona, sp. |
| 26. Indian hemp ... ... | ... | ... | ... | ... | ... | ... | 26. Cannabis sativa. |
| 27. Others ... ... ... | 758 | 1,219 | 1,770 | 1,283 | 2,126 | 1,109 | 27. Others. |
| Total ... | 5,009 | 16,088 | 26,138 | 2,731 | 4,519 | 12,580 | Total. |
| 28. Fodder crops ... ... ... ... | 1 | ... | ... | 258 | 26 | ... | 28. Fodder crops. |
| 29. Orchards and garden produce ... | 18,783 | 16,347 | 14,652 | 22,894 | 46,861 | 12,599 | 29. Orchards and garden produce. |
| 30. Miscellaneous food crops ... | ... | ... | ... | ... | ... | ... | 30. Miscellaneous food crops. |
| 30. Do. non-food crops ... | 35,930 | 224 | 6,666 | 4,289 | 14,145 | 1,934 | 30. Do. non-food crops. |
| 31. Grand Total ... ... ... ... | 1,685,589 | 1,476,894 | 2,529,520 | 1,025,729 | 1,383,103 | 1,121,373 | 31. Grand Total. |
| 32. Area cropped more than once ... | 228,628 | 189,365 | 262,669 | 90,896 | 109,497 | 112,120 | 32. Area cropped more than once. |
| 33. (31-32) Net area cropped during the year. | 1,456,961 | 1,287,529 | 2,266,851 | 934,833 | 1,273,606 | 1,009,253 | 33. (31-32) Net area cropped during the year. |

NOTE.—The above are the statistics for 1897-98, as finally revised. Owing to an alteration in the due date for the submission of this return, the figures for 1898-99 will be available only in the Presidency Administration Report for 1899-1900.

# B.—AGRICULTURE—*continued.*

(51)—*Statement showing the total acreage, classification of areas, irrigation, crops, current fallows and stock in each district of the Madras Presidency during the agricultural year* 1897–98—continued.

| Madras Presidency. | Districts—*continued.* Tinnevelly. | The Nilgiris. | Malabar. | South Canara | Travancore and Cochin. | Total. | |
|---|---|---|---|---|---|---|---|
| **1.—Total Area.** | | | | | | | |
| | ACRES. | ACRES. | ACRES. | ACRES. | ACRES. | ACRES. | |
| . Area according to professional survey. | 3,448,859 | 612,627 | 3,579,731 | 2,497,280 | 5,178,880 | 95 525 81[illegible] | 1. Area according to professional survey. |
| 2. Deduct (*a*) Feudatory States ... | ... | . | . . | .. | 5,178,880 | 6,149,760 | 2. Deduct (*a*) Feudatory States. |
| 2. Deduct (*b*) Area for which no returns exist. | 902,213 | . . | 7,066 | . | | 28,625,176 | 2. Deduct (*b*) Area for which no returns exist. |
| 3. Net area by professional survey ... | 2,546,646 | 612,627 | 3,572,665 | 2,497,280 | . | 61,750,882 | 3. Net area by professional survey. |
| 4. Corresponding area by village papers. | 2,550,533 | 612,777 | 3,573,442 | 2,497,280 | ... | 61,978,869 | 4. Corresponding area by village papers. |
| **A. 2.—Classification of Area shown in column 4 of A. 1.** | | | | | | | |
| 1. Forests ... ... ... ... ... | 271,479 | 309,145 | 385,975 | 718,663 | . . | 12,082,354 | 1. Forests. |
| 2. Not available for cultivation ... | 518,015 | 47,861 | 1,067,533 | 1,176,765 | ... | 13,479,129 | 2. Not available for cultivation. |
| 3. Culturable waste other than fallow ... | 53,040 | 57,781 | 1,048,475 | 152,976 | ... | 6,269,680 | 3. Culturable waste other than fallow. |
| 4. Current fallows ... ... ... ... | 561,499 | 128,034 | 72,220 | 55,246 | ... | 5,896,598 | 4. Current fallows. |
| 5. Net area cropped during the year ... | 1,145,900 | 69,956 | 959,239 | 393,630 | ... | 24,250,708 | 5. Net area cropped during the year. |
| Total ... | 2,550,533 | 612,777 | 3,573,442 | 2,497,280 | ... | 61,978,869 | Total. |
| 6. Irrigated during the year from (*a*) Government canals. | 41,611 | . | .. | ... | ... | 2,644,650 | 6. Irrigated during the year from (*a*) Government canals. |
| 6. Irrigated during the year from (*b*) Private canals ... | 1 | ... | 10,801 | ... | ... | 80,966 | 6. Irrigated during the year from (*b*) Private canals. |
| 6. Irrigated during the year from (*c*) Tanks ... ... | 161,524 | ... | 11,080 | ... | ... | 1,969,678 | 6. Irrigated during the year from (*c*) Tanks. |
| 6. Irrigated during the year from (*d*) Wells ... ... | 73,298 | ... | 1,218 | ... | ... | 1,083,014 | 6. Irrigated during the year from (*d*) Wells. |
| 6. Irrigated during the year from (*e*) Other sources ... | 3,384 | ... | 16,245 | ... | ... | 147,066 | 6. Irrigated during the year from (*e*) Other sources. |
| Total Area Irrigated ... | 282,818 | ... | 39,344 | ... | ... | 5,875,374 | Total Area Irrigated. |
| 7. Crops irrigated. (*a*) Wheat ... ... | 1 | ... | ... | ... | ... | 4,332 | 7. Crops irrigated. (*a*) Wheat. |
| 7. Crops irrigated. (*b*) Other cereals and pulses. | 403,391 | ... | 44,914 | ... | ... | 6,333,738 | 7. Crops irrigated. (*b*) Other cereals and pulses. |
| 7. Crops irrigated. (*c*) Miscellaneous food crops. | 34,587 | ... | 1,625 | ... | ... | 691,176 | 7. Crops irrigated. (*c*) Miscellaneous food crops. |
| 7. Crops irrigated. (*d*) Do. non-food crops. | 13,942 | ... | 687 | ... | ... | 236,170 | 7. Crops irrigated. (*d*) Do. non-food crops. |
| Total ... | 451,921 | ... | 47,226 | ... | ... | 7,265,416 | Total. |
| **A. 3.—Acreage under Crops.** | | | | | | | |
| *English or Vernacular names.* | | | | | | | *Botanical names.* |
| Cereals and pulses. 1. Rice ... ... ... | 303,467 | 5,968 | 730,075 | 489,407 | ... | 6,935,159 | 1. Oryza sativa. |
| Cereals and pulses. 2. Wheat ... ... ... | 1 | 1,284 | ... | ... | ... | 14,951 | 2. Triticum sativum. |
| Cereals and pulses. 3. Barley ... ... ... | ... | 3,185 | ... | ... | ... | 3,185 | 3. Hordeum vulgare. |
| Cereals and pulses. 4. Cholum or Jowar (millet) | 98,269 | 37 | 211 | ... | ... | 4,510,973 | 4. Sorghum vulgare. |
| Cereals and pulses. 5. Cumbu or Bajra (millet) | 150,753 | ... | 463 | ... | ... | 2,700,936 | 5. Pennisetum typhoideum. |
| Cereals and pulses. 6. Rági or mandua ... | 46,098 | 2,255 | 5,033 | 2,893 | ... | 1,633,717 | 6. Eleusine coracana. |
| Cereals and pulses. 7. Maize ... ... ... | ... | 5 | ... | ... | ... | 82,047 | 7. Zea mays. |
| Cereals and pulses. 8. Bengal Gram (pulse) ... | 4,182 | 7 | ... | ... | ... | 1,43,429 | 8. Cicer arietinum. |
| Cereals and pulses. 9. Other food-grains, including pulses. | 323,680 | 13,602 | 36,201 | 37,010 | ... | 5,790,270 | 9. Other food-grains, including pulses. |
| Total ... | 926,450 | 26,343 | 771,983 | 529,310 | ... | 21,804,667 | Total. |
| Oil-seeds ... 10. Linseed ... ... ... | ... | ... | ... | ... | ... | 19,631 | 10. Linum usitatissimum. |
| Oil-seeds ... 11. Til or gingelly ... ... | 79,918 | 69 | 34,278 | 3,238 | ... | 826,115 | 11. Sesamum indicum. |
| Oil-seeds ... 12. Others ... ... ... | 7,292 | 84 | 1,107 | 226 | ... | 800,882 | 12. Others. |
| Total ... | 87,210 | 153 | 35,385 | 3,464 | ... | 1,646,628 | Total. |
| 13. Condiments and spices. | 10,851 | 257 | 14,639 | 6,605 | ... | 318,497 | 13. Condiments and spices. |
| Sugar ... 14. Sugarcane ... ... | 356 | ... | 24 | 1,068 | ... | 58,374 | 14. Saccharum officinarum. |
| Sugar ... 15. Others ... ... ... | 50,732 | ... | 267 | 306 | ... | 72,671 | 15. Others. |
| Total ... | 51,088 | ... | 291 | 1,374 | ... | 131,045 | Total. |
| Fibres ... 16. Cotton ... ... ... | 201,781 | ... | ... | 150 | ... | 1,509,135 | 16. Gossypium, sp. |
| Fibres ... 17. Jute ... ... ... | ... | ... | ... | ... | ... | ... | 17. Corchorus, sp. |
| Fibres ... 18. Others ... ... ... | 375 | ... | 175 | 139 | ... | 105,853 | 18. Others. |
| Total ... | 202,156 | ... | 175 | 289 | ... | 1,614,988 | Total. |
| Dyes ... 19. Indigo ... ... ... | 575 | ... | ... | ... | ... | 323,931 | 19. Indigofera tinctoria. |
| Dyes ... 20. Others ... ... ... | 12 | ... | ... | ... | ... | 1,248 | 20. Others. |
| Total ... | 587 | ... | ... | ... | ... | 325,179 | Total. |
| Drugs and narcotics. 21. Opium ... ... ... | ... | ... | ... | ... | ... | ... | 21. Papaver somniferum. |
| Drugs and narcotics. 22. Coffee ... ... ... | 1,284 | 26,520 | 17,872 | 87 | ... | 64,402 | 22. Coffea arabica. |
| Drugs and narcotics. 23. Tea ... ... ... | ... | 6,867 | 855 | ... | ... | 7,722 | 23. Camellia theifera. |
| Drugs and narcotics. 24. Tobacco ... ... ... | 4,398 | 12 | ... | 760 | ... | 103,357 | 24. Nicotiana tabacum and Nicotiana rustica. |
| Drugs and narcotics. 25. Cinchona ... ... ... | ... | 5,097 | 315 | ... | ... | 5,425 | 25. Cinchona, sp. |
| Drugs and narcotics. 26. Indian hemp ... ... | ... | ... | ... | 5 | ... | 174 | 26. Cannabis sativa. |
| Drugs and narcotics. 27. Others ... ... ... | 7,749 | ... | 1,134 | 540 | ... | 31,131 | 27. Others. |
| Total ... | 13,431 | 38,496 | 20,176 | 1,392 | ... | 212,211 | Total. |
| 28. Fodder crops ... ... ... ... | 22,664 | 16 | ... | ... | ... | 85,834 | 28. Fodder crops. |
| 29. Orchards and garden produce ... | 19,529 | 2,284 | 334,463 | 37,084 | ... | 703,633 | 29. Orchards and garden produce. |
| 30. Miscellaneous food crops ... ... | ... | ... | ... | ... | ... | ... | 30. Miscellaneous food-crops. |
| 30. Do. non-food crops ... | 44,721 | 4,173 | 6,623 | 51 | ... | 306,312 | 30. Do. non-food crops. |
| 31. Grand Total ... ... ... ... | 1,378,687 | 71,722 | 1,183,735 | 579,569 | ... | 27,208,994 | 31. Grand Total. |
| 32. Area cropped more than once ... ... | 232,787 | 1,766 | 224,496 | 185,939 | ... | 2,961,377 | 32. Area cropped more than once. |
| 33. (31-32) Net area cropped during the year. | 1,145,900 | 69,956 | 959,239 | 393,630 | ... | 24,247,617 | 33. (31-32) Net area cropped during the year. |

NOTE.—The above are the statistics for 1897-98, as finally revised. Owing to an alteration in the due date for the submission of this return, the figures for 1898-99 will be available only in the Presidency Administration Report for 1899-1900.

## B.—AGRICULTURE—*continued.*

(51)—A. 4.—*Statement showing stock, &c., in each district of the Madras Presidency during the agricultural year* 1897–98.

| District. | Bulls and bullocks. | Cows. | Male buffaloes. | Cow buffaloes. | Young stock (calves and buffalo calves). | Sheep. | Goats. | Horses and ponies. | Mules and donkeys. | Camels. | Ploughs. | Carts. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Ganjám .. ... | 119,047 | 100,554 | 34,316 | 21,301 | 89,074 | 61,933 | 45,022 | 193 | 505 | ... | 71,281 | 24,316 |
| Vizagapatam .. ... | 46,639 | 33,899 | 21,052 | 18,603 | 56,432 | 27,966 | 31,682 | 190 | 651 | ... | 29,569 | 8,385 |
| Gódávari ... ... | 231,677 | 191,959 | 54,463 | 99,675 | 286,955 | 72,881 | 93,794 | 2,855 | 958 | ... | 121,803 | 20,100 |
| Kistna ... ... ... | 243,878 | 185,164 | 74,355 | 226,256 | 441,721 | 382,467 | 240,493 | 3,601 | 3,367 | ... | 139,245 | 56,630 |
| Nellore ... ... ... | 150,748 | 164,505 | 45,445 | 114,425 | 217,830 | 453,450 | 240,868 | 1,194 | 5,642 | 2 | 82,864 | 26,891 |
| Kurnool ... ... ... | 146,579 | 83,900 | 4,284 | 119,554 | 187,852 | 393,804 | 190,568 | 2,675 | 9,507 | ... | 60,957 | 30,657 |
| Bellary ... ... ... | 181,994 | 71,859 | 10,290 | 73,698 | 158,759 | 354,251 | 175,618 | 3,735 | 6,760 | ... | 76,686 | 27,089 |
| Anantapur ... ... | 155,278 | 110,693 | 22,406 | 59,060 | 182,941 | 649,336 | 239,130 | 2,597 | 17,724 | ... | 73,039 | 19,168 |
| Cuddapah ... ... | 242,825 | 180,870 | 25,642 | 146,654 | 328,024 | 896,622 | 445,937 | 1,651 | 18,063 | ... | 123,247 | 47,678 |
| North Arcot ... ... | 307,051 | 218,953 | 46,910 | 70,506 | 283,055 | 605,288 | 269,841 | 1,678 | 5,047 | ... | 169,740 | 24,819 |
| Chingleput ... ... | 204,491 | 132,281 | 53,284 | 51,627 | 161,591 | 272,916 | 131,186 | 1,095 | 2,370 | ... | 122,230 | 21,860 |
| Madras ... ... ... | 3,523 | 2,910 | 146 | 2,298 | 3,216 | 2,299 | 609 | 2,548 | 111 | ... | 211 | 3,340 |
| South Arcot ... ... | 368,312 | 363,671 | 58,099 | 78,995 | 330,459 | 706,256 | 425,076 | 2,211 | 2,725 | 3 | 268,602 | 39,369 |
| Salem ... ... ... | 259,128 | 432,451 | 10,933 | 61,507 | 343,245 | 729,642 | 608,367 | 3,588 | 8,181 | ... | 189,168 | 15,343 |
| Coimbatore ... ... | 342,783 | 392,866 | 7,192 | 71,960 | 336,836 | 1,007,919 | 554,554 | 3,070 | 15,745 | ... | 225,037 | 38,126 |
| Trichinopoly ... ... | 220,687 | 166,771 | 14,724 | 64,486 | 171,089 | 784,690 | 408,376 | 982 | 2,021 | ... | 126,488 | 23,095 |
| Tanjore ... ... ... | 344,543 | 241,130 | 52,679 | 107,490 | 217,571 | 275,959 | 440,086 | 1,392 | 1,030 | 7 | 199,947 | 29,031 |
| Madura ... ... ... | 224,759 | 209,788 | 9,325 | 46,734 | 167,240 | 504,147 | 257,017 | 2,249 | 6,800 | ... | 138,512 | 23,777 |
| Tinnevelly ... ... | 195,015 | 104,595 | 15,724 | 48,440 | 128,559 | 756,344 | 206,285 | 593 | 10,114 | ... | 92,342 | 35,062 |
| The Nilgiris .. ... | 11,231 | 18,553 | 2,735 | 12,657 | 19,731 | 4,456 | 3,205 | 1,552 | 135 | ... | 5,710 | 811 |
| Malabar ... ... ... | 254,814 | 275,909 | 116,517 | 29,943 | 228,036 | 1,402 | 88,508 | 948 | 186 | ... | 168,645 | 9,215 |
| South Canara ... ... | 176,119 | 152,117 | 161,087 | 20,216 | 160,821 | 157 | 13,485 | 188 | 3 | ... | 267,536 | 5,369 |
| Total ... | 4,431,121 | 3,835,398 | 851,608 | 1,546,085 | 4,501,037 | 8,944,185 | 5,110,307 | 40,785 | 117,695 | 12 | 2,761,859 | 530,731 |

NOTE.—The above are the statistics for 1897-98, as finally revised. Owing to an alteration in the due date for the submission of this return, the figures for 1898-99 will be available only in the Presidency Administration Report for 1899-1900.

## C.—TRADE.

(52)—Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years 1897–98 and 1898–99.

# C.—TRADE.

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99.

| Articles. | United Kingdom. | | | | Austria-Hungary. | | | | Belgium. | | | | France. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| I. Animals, living ... ... ... ... ... No. | 33 | Rs. 1,835 | 30 | Rs. 225 | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... ... ... Cwt. | 6 | 382 | 5 | 245 | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | . |
| Fruits and vegetables ... ... ... Val. | ... | 6,324 | ... | 2,302 | ... | ... | ... | ... | ... | ... | ... | ... | | 2,946 | | |
| Grain and pulse including flour ... ... Cwt. | 1,634 | 11,205 | 17 | 187 | 80 | 1,092 | ... | ... | ... | ... | ... | ... | ... | | lb. 40 | 4 |
| Liquors— | | | | | | | | | | | | | | | | |
| Ale, Beer and Porter ... ... ... Gals. | 396,856 | 5,29,395 | 450,362 | 5,68,249 | 197 | 415 | 271 | 788 | ... | ... | ... | ... | ... | ... | ... | ... |
| Spirit ... ... ... ... ... ... ,, | 61,979 | 6,17,058 | 72,099 | 6,61,129 | 251 | 3,357 | 212 | 2,404 | 989 | 4,909 | 75 | 264 | 18,480 | 1,75,932 | 25,627 | 2,44,741 |
| Wines ... ... ... ... ... ... ,, | 12,286 | 1,31,575 | 6,902 | 65,364 | 1,352 | 14,652 | 321 | 2,613 | 778 | 21,352 | 343 | 7,222 | 15,246 | 1,89,275 | 16,756 | 1,71,555 |
| Other sorts ... ... ... ... ... ,, | 327 | 1,560 | 18 | 20 | ... | ... | ... | ... | ... | ... | ... | ... | . | . | ... | ... |
| Provisions ... ... ... ... ... Val. | ... | 8,81,077 | ... | 8,68,232 | ... | 18,696 | ... | 33,782 | ... | 214 | ... | . | ... | 2,662 | . | 3,172 |
| Salt ... ... ... ... ... ... Tons | 85 | 9,995 | 91 | 10,336 | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | . |
| Spices ... ... ... ... ... ... lb. | 84 | 70 | 68 | 109 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . |
| Sugar .. ... ... ... ... ... Cwt. | 1,043 | 12,671 | 280 | 4,462 | 925 | 10,390 | 1,298 | 12,151 | ... | ... | ... | ... | ... | . . | ... | .. |
| Tea ... ... ... ... ... ... lb. | 1,612 | 998 | 298 | 144 | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . |
| Other articles ... ... ... ... ... Val. | ... | 13,256 | ... | 17,999 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| Total value of articles of Food and Drink ... | ... | 22,15,566 | ... | 21,98,778 | ... | 48,602 | ... | 51,738 | ... | 26,475 | ... | 7,486 | ... | 3,70,815 | ... | 4,19,472 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | |
| A. Hardware and cutlery including agricultural implements ... ... ... Val. | ... | 14,56,404 | ... | 12,93,710 | ... | 24,927 | ... | 25,138 | ... | 10,020 | ... | 6,285 | ... | 1,424 | ... | 3,600 |
| B. Metals— | | | | | | | | | | | | | | | | |
| Brass ... ... ... ... ... Cwt. | 939 | 59,140 | 179 | 12,923 | 6 | 650 | 4 | 299 | 8 | 523 | ... | ... | 27 | 1,519 | 5 | 415 |
| Copper— | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | 50 | 2,192 | 62 | 2,552 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Wrought ... .. .. ... ... ,, | 38,971 | 15,92,661 | 16,280 | 6,89,106 | 6 | 1,075 | 5 | 906 | 101 | 5,285 | 22 | 1,190 | 684 | 75,624 | 290 | 64,844 |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| Iron— | | | | | | | | | | | | | | | | |
| Wrought ... ... ... ... Cwt. | 185,612 | 15,15,263 | 141,507 | 11,45,089 | 309 | 2,823 | 971 | 7,522 | 250,529 | 13,61,600 | 208,845 | 11,12,360 | 3,151 | 29,481 | 798 | 6,502 |
| Other sorts ... ... ... ... ,, | 3,000 | 9,042 | 11,028 | 31,780 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lead ... ... ... ... ... ,, | 3,396 | 49,134 | 4,067 | 52,836 | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 96 | 50 | 1,012 |
| Steel ... ... ... ... ... ,, | 62,849 | 5,63,130 | 51,071 | 4,87,526 | ... | ... | ... | ... | 2,108 | 12,875 | 5,051 | 29,801 | ... | .. | ... | ... |
| Tin— | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | 2 | 112 | 25 | 1,564 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other sorts ... ... ... ... ,, | 4 | 124 | 8 | 246 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Zinc or spelter ... ... ... ... ,, | 2,667 | 46,375 | 1,303 | 23,429 | ... | ... | ... | ... | 1,575 | 28,924 | 271 | 5,211 | ... | ... | ... | ... |
| All other kinds, unenumerated ... ,, | 1,020 | 68,624 | 868 | 1,26,959 | 19 | 2,166 | 146 | 16,114 | 96 | 3,300 | ... | ... | 1 | 297 | lb. 13 | 575 |
| Total of Metals ... ,, | 298,710 | 39,05,797 | 226,398 | 25,74,010 | 340 | 6,714 | 1,126 | 24,841 | 254,417 | 14,12,507 | 214,189 | 11,48,562 | 3,865 | 1,07,017 | 1,173 | 73,348 |
| C. Machinery and millwork ... ... Val. | ... | 31,46,972 | ... | 24,67,226 | ... | 13,245 | ... | 8,076 | ... | 336 | ... | 500 | ... | 1,982 | ... | ... |
| D. Railway Plant and rolling-stock ... ,, | ... | 16,56,654 | ... | 16,03,981 | ... | ... | ... | ... | ... | ... | ... | 12,790 | ... | ... | ... | ... |
| Total value of Metals and Manufactures of Metals ... | ... | 1,01,65,827 | ... | 79,38,927 | ... | 44,886 | ... | 58,055 | ... | 14,22,863 | ... | 11,68,137 | ... | 1,10,423 | ... | 76,948 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IV. Chemicals, Drugs, Medicines, and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | |
| Chemical products and preparations ... Val. | ... | 3,95,598 | .. | 4,72,870 | ... | ... | ... | 1,209 | ... | 5,315 | ... | 1,245 | ... | ... | 917 | ... | .. | |
| Drugs and medicines ... ... ... ,, | ... | 3,09,406 | .. | 3,11,620 | ... | 857 | ... | 1,297 | ... | ... | ... | 25 | ... | ... | | ... | . | |
| Opium ... ... ... Chests weighing Cwt. | lb. 20 | 321 | lb. 11 | 181 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... | |
| Tobacco ... ... ... ... ... lb. | 309,772 | 3,61,010 | 846,441 | 2,82,092 | 2 | 2 | ... | ... | 24,448 | 34,695 | 3,122 | 11,943 | 12 | ... | 60 | ... | . | |
| Dyeing and Tanning materials ... ... Cwt. | 418 | 25,379 | 334 | 17,802 | 10 | 1,440 | 4 | 1,043 | 196 | 11,685 | 2,968 | 1,38,683 | ... | | | 19 | 2,806 | |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials ... | ... | 10,91,714 | ... | 10,84,565 | ... | 2,299 | ... | 3,549 | ... | 1,01,695 | ... | 1,51,896 | ... | | 977 | . | 2,806 | |
| V. Oils— | | | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... ... ... Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | |
| Other kinds ... ... ... ... { Gals. | 19,309 | 21,035 | 19,764 | 18,647 | ... | ... | ... | ... | 250 | 250 | .. | .. | .. | . | . | . | ... | |
| { Cwt. | 30 | | ... | | ... | | ... | | ... | | .. | | .. | | | | | |
| Other kinds of oils ... ... ... ... Gals. | 30,734 | 53,696 | 22,187 | 38,886 | ... | ... | 240 | 241 | ... | .. | ... | .. | . | ... | | 280 | 1,222 | |
| Total of Oils ... { Gals. | 50,043 | 74,731 | 41,951 | 57,533 | ... | ... | 240 | 241 | 250 | 250 | ... | . | ... | .. | | 280 | 1,222 | |
| { Cwt. | 30 | | ... | | ... | | ... | | ... | | ... | | . | | | | | |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | | | |
| Coal— | | | | | | | | | | | | | | | | | | |
| Coal ... ... ... ... ... ... Tons | 40,198 | 8,14,048 | 15,795 | 3,72,216 | ... | ... | ... | ... | ... | ... | .. | .. | ... | | | | . | |
| Coke ... ... ... ... ... ... ,, | 3,269 | 1,10,509 | 1,364 | 48,672 | ... | ... | ... | ... | ... | . | ... | .. | | | | . | | |
| Patent fuel ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | | | | | |
| Cotton ... ... ... ... ... Cwt. | ... | ... | lb. 1 | 1 | ... | ... | ... | ... | ... | .. | ... | ... | ... | | | .. | . | |
| Gums and resins ... ... ... ... ,, | 463 | 3,146 | 1,226 | 7,582 | 93 | 525 | 73 | 382 | ... | | | | ... | .. | | . | | |
| Hides and skins ... ... ... { Cwt. | 40 | 1,778 | ... | ... | ... | ... | ... | ... | ... | . | . | | . | | | . | | |
| { & No. | 1,482 | | ... | | ... | | ... | | . | | | | | | | | | |
| Ivory ... ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | ... | | | | . | |
| Jewellery— | | | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset ... Val. | ... | 30 | ... | ... | ... | ... | ... | ... | ... | . | . | .. | . | ... | | . | .. | |
| Seeds ... ... ... ... ... ... Cwt. | 61 | 3,971 | 84 | 5,315 | lb. 30 | 30 | ... | ... | ... | | .. | | . | | | 1 | 291 | |
| Shells and cowries ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | | .. | | . | | | | | |
| Silk ... ... ... ... ... ... lb. | 425 | 2,705 | ... | ... | ... | ... | ... | ... | ... | . | | | ... | | | | ... | |
| Wood— | | | | | | | | | | | | | | | | | | |
| Teak ... ... ... ... Cubic Tons | 2 | 250 | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | | | | | |
| Other kinds ... ... ... ... ... Val. | ... | 1,446 | ... | 949 | .. | ... | ... | ... | ... | . | .. | ... | ... | | | | | |
| Wool ... ... ... ... ... ... lb. | 10 | 5 | 5,912 | 2,309 | ... | ... | ... | ... | ... | . | .. | .. | ... | | | | | |
| All other articles, unenumerated ... Val. | ... | 1,12,255 | ... | 1,21,836 | ... | 162 | ... | ... | ... | 1,500 | . | 5,895 | ... | | | | .. | |
| Total value of Raw Materials and Unmanufactured Articles ... ... ... ... ... ... ... | ... | 10,50,143 | ... | 5,58,880 | ... | 717 | ... | 382 | ... | 1,500 | .. | 5,895 | ... | | .. | | 291 | |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... ... lb. | 15,200,055 | 1,01,94,069 | 11,384,865 | 70,66,533 | 38,700 | 37,422 | 46,840 | 34,100 | 6,000 | 4,847 | 5,990 | 4,492 | .. | | .. | | | |
| Piece-goods— | | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... ... Yds. | 70,832,950 | 93,01,882 | 52,377,900 | 65,46,700 | 264 | 96 | 129 | 161 | ... | .. | | | | | .. | .. | ... | |
| White ... ... ... ... ... ,, | 23,922,368 | 38,27,341 | 12,670,162 | 19,65,119 | 741 | 233 | ... | ... | ... | | | .. | | | | | | |
| Coloured, printed, or dyed ... ,, | 27,853,700 | 45,58,897 | 25,894,528 | 39,69,023 | 374 | 85 | 194 | 105 | ... | . | | | | | . | 22 | 22 | |
| Other sorts of piece-goods ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | .. | . | |
| Thread, sewing ... ... ... ... lb. | 46,323 | 69,066 | 34,969 | 56,077 | 250 | 516 | ... | ... | ... | . | | | . | | | | | 9 |
| Other sorts of manufactures ... Val. | ... | 35,100 | ... | 42,421 | ... | ... | ... | ... | ... | | ... | ... | ... | | ... | ... | . | |
| | | | | | | | | | | | .. | 116 | . | | ... | | | |
| Flax— | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... Yds. | 67,528 | 26,932 | 64,066 | 24,413 | ... | ... | .. | ... | 740 | 335 | .. | . | | | ... | 30 | 28 | |
| Canvas ... ... ... ... ... ,, | 163,788 | 57,040 | 81,367 | 25,181 | ... | ... | ... | ... | ... | . | .. | | | | | | ... | |
| Other sorts ... ... ... ... lb. | 20,016 | 20,093 | 16,850 | 16,206 | 100 | 110 | ... | . | ... | . | 224 | 150 | 7 | | 30 | 33 | 17 | |
| Silk— | | | | | | | | | | | | | | | | | | |
| Piece-goods, pure and mixed ... Yds. | 49,325 | 49,859 | 39,294 | 44,714 | 1,065 | 915 | .. | ... | ... | ... | .. | | 174 | | 693 | 816 | 2,240 | |
| Other sorts ... ... ... ... lb. | 847 | 1,164 | 715 | 5,258 | ... | ... | 300 | 1,500 | ... | ... | .. | ... | 3 | | 9 | 968 | 5,100 | |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897-98 *and* 1898-99—continued.

| Articles. | Germany. | | | | Holland. | | | | Italy. | | | | Malta. | | | | Portugal. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898 99. | | 1897-98. | | 1898-99. | | 1897 98. | | 1898 99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| I. Animals, living ... ... ... ... ... No. | 2 | Rs. 70 | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | .. | Rs. ... | .. | Rs. . |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | .. | . |
| Fruits and vegetables ... ... ... Val. | ... | ... | ... | 45 | ... | ... | ... | . | .. | . | | | ... | .. | . | .. | ... | ... | ... | . |
| Grain and pulse including flour ... ... Cwt. | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | ... | ... | ... | ... | |
| Liquors— | | | | | | | | | | | | | | | | | | | | |
| Ale, Beer and Porter ... ... .. Guls. | 15,309 | 45,292 | 13,698 | 40,850 | ... | ... | ... | ... | .. | ... | ... | ... | . | ... | ... | . | ... | ... | ... | . |
| Spirit ... ... ... ... ... ... ,, | 6,124 | 24,698 | 4,791 | 22,910 | 5,757 | 21,333 | 6,165 | 22,814 | 22 | 269 | ... | .. | ... | ... | ... | ... | 5 | 110 | ... | ... |
| Wines ... ... ... ... ... ... ,, | 1,545 | 13,171 | 1,718 | 14,689 | 2 | 30 | 20 | 600 | 2,413 | 9,279 | 4,337 | 27,359 | 18 | 88 | 50 | 320 | 2,659 | 25,762 | 4,057 | 48,872 |
| Other sorts ... ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | ... | ... | ... | .. | .. | ... | . |
| Provisions ... ... ... ... ... Val. | ... | 3,854 | ... | 3,572 | ... | 2,009 | ... | 8,655 | ... | 5,705 | . | 6,247 | ... | ... | ... | ... | .. | .. | ... | . . |
| Salt ... ... ... ... ... ... Tons | ... | ... | 10 | 901 | ... | ... | ... | ... | ... | .. | | .. | ... | .. | ... | .. | . | . | .. | ... |
| Spices ... ... ... ... ... .. lb. | ... | .. | ... | .. | ... | ... | .. | ... | ... | ... | ... | . | .. | ... | ... | ... | ... | ... | ... | ... |
| Sugar ... ... ... ... ... ... Cwt. | 3,339 | 36,487 | 6,197 | 62,507 | ... | ... | .. | .. | ... | .. | . | ... | ... | ... | ... | ... | .. | ... | ... | |
| Tea ... ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | 75 | 47 | .. | ... | ... | ... |
| Other articles ... ... ... ... ... Val. | ... | ... | ... | 945 | ... | ... | ... | ... | ... | . | .. | ... | ... | ... | .. | ... | ... | ... | ... | ... |
| Total value of articles of Food and Drink ... | ... | 1,23,502 | ... | 1,46,410 | ... | 23,372 | .. | 32,069 | ... | 15,244 | .. | 33,586 | ... | 88 | ... | 367 | ... | 25,873 | ... | 48,872 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and cutlery including agricultural implements ... ... ... Val. | ... | 35,773 | ... | 33,848 | ... | .. | ... | ... | ... | 342 | ... | 7,862 | ... | ... | ... | . | ... | ... | ... | ... |
| B. Metals— | | | | | | | | | | | | | | | | | | | | |
| Brass ... ... ... ... ... Cwt. | 226 | 14,733 | 14 | 700 | ... | ... | ... | ... | 1 | 69 | .. | ... | ... | ... | ... | .. | ... | ... | ... | . |
| Copper— | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | . |
| Wrought ... ... ... ... ,, | 154 | 22,165 | 336 | 27,048 | ... | ... | ... | ... | ... | ... | .. | .. | .. | ... | ... | ... | ... | ... | ... | ... |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | .. |
| Iron— | | | | | | | | | | | | | | | | | | | | |
| Wrought ... ... ... ... Cwt. | 8,149 | 66,663 | 4,779 | 37,844 | 82 | 771 | ... | ... | 2 | 31 | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... |
| Other sorts ... ... ... ... ,, | .. | ... | ... | ... | ... | .. | ... | .. | ... | ... | .. | ... | ... | ... | ... | ... | .. | ... | ... | ... |
| Lead ... ... ... ... ... ,, | 5 | 93 | 198 | 2,200 | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | ... | ... | ... |
| Steel ... ... ... ... ... ,, | 321 | 4,008 | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tin— | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Zinc or spelter ... ... ... ... ,, | 100 | 1,799 | 410 | 8,096 | ... | ... | 302 | 6,034 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| All other kinds, unenumerated ... ,, | 26 | 6,018 | 18 | 2,958 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total of Metals ... ,, | 8,981 | 1,15,529 | 5,755 | 78,846 | 82 | 771 | 302 | 6,034 | 3 | 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| C. Machinery and Millwork ... ... Val. | ... | 10,902 | ... | 4,614 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| D. Railway Plant and Rolling-stock ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total value of Metals and Manufactures of Metals. | ... | 1,62,204 | ... | 1,17,308 | ... | 771 | ... | 6,034 | ... | 442 | ... | 7,862 | ... | ... | ... | ... | ... | ... | ... | ... |

| | | |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | Russia. | | | | Spain. | | | | Mozambique. | | | | Zanzibar. | | | | Egypt. | | | | Mauritius. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 |
| *I. Animals, living* ... No. | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | .. | Rs. ... | ... | Rs. .. | | Rs. | | Rs. |
| *II. Articles of Food and Drink—* | | | | | | | | | | | | | | | | | | | | | | | | |
| Coffee ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | .. | | | | |
| Fruits and vegetables ... Val. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | 5 | . | ... | | . | | |
| Grain and pulse including flour ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | ... | ... | . | | | . |
| Liquors— | | | | | | | | | | | | | | | | | | | | | | | | |
| Ale, Beer and Porter ... Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | .. | | .. | | |
| Spirit ... ,, | ... | ... | 41 | 780 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2 | 6 | 32 |
| Wines ... ,, | ... | ... | ... | ... | 9,224 | 53,765 | 8,717 | 64,353 | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | | ... | | . | | |
| Other sorts ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | .. | | .. |
| Provisions ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 60 | ... | ... | . | 211 | | 27 | | 10 |
| Salt ... Tons | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | | | | | | | |
| Spices ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | . | | ... | | ... |
| Sugar ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | . | . | 15 | 237 | 1,256 | 12,874 |
| Tea ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 2 | ... | ... | ... | .. | . | .. | | .. |
| Other articles ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | |
| Total value of articles of Food and Drink ... | ... | ... | ... | 780 | ... | 53,765 | ... | 64,353 | ... | ... | ... | ... | ... | ... | ... | 62 | . | 5 | .. | 211 | | 266 | | 12,916 |
| *III. Metals and Manufactures of Metals—* | | | | | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and cutlery including agricultural implements ... Val. | ... | ... | ... | 18 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 | ... | ... | ... | 3 | ... | 1 | | ... |
| B. Metals— | | | | | | | | | | | | | | | | | | | | | | | | |
| Brass ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | ... | | ... | lb. 28 | 18 |
| Copper— | | | | | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. |
| Wrought ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | . | . |
| Other sorts ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| Iron— | | | | | | | | | | | | | | | | | | | | | | | | |
| Wrought ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | . | ... |
| Other sorts ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| Lead ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Steel ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| Tin— | | | | | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other sorts ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Zinc or spelter ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other kinds, unenumerated ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | lb. 1 | 1 | ... | ... | ... | ... | lb. 56 | 25 | ... | .. |
| Total of Metals ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | lb. 1 | 1 | ... | ... | ... | ... | lb. 56 | 25 | lb. 28 | 18 |
| C. Machinery and Millwork ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| D. Railway Plant and Rolling-stock ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total value of Metals and Manufactures of Metals. | ... | ... | ... | 18 | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | 21 | ... | ... | ... | 3 | ... | 26 | ... | 18 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IV. Chemicals, Drugs, Medicines, and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chemical products and preparations | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Drugs and medicines | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Opium ... ... Chests weighing | Cwt. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tobacco | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 643 | 1,981 | 490 | 2,551 | ... | ... | ... | ... | ... | ... |
| Dyeing and Tanning materials | Cwt. | ... | .. | ... | ... | ... | ... | lb. 36 | 800 | ... | ... | ... | .. | . | .. | .. | . | ... | ... | ... | ... | ... | ... | . | .. | . | .. | ... | ... |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials.. | | ... | ... | ... | ... | ... | ... | ... | 800 | ... | ... | ... | ... | ... | ... | .. | ... | ... | 1,981 | ... | 2,551 | .. | ... | .. | ... |
| V. Oils— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... ... | Gals. | 5,357,073 | 20,87,806 | 6,372,780 | 25,40,173 | .. | ... | ... | ... | ... | ... | ... | .. | .. | . | ... | . | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Other kinds ... ... ... ... | Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other kinds of oils ... ... ... .. | Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Total of Oils ... | Gals. | 5,357,073 | 20,87,806 | 6,372,780 | 25,40,173 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coal— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coal ... ... ... ... ... | Tons | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Coke ... ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Patent fuel ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Cotton ... ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 64 | 2,260 | ... | ... | ... | ... | ... | ... | ... | ... |
| Gums and resins ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Hides and skins ... ... ... | Cwt. & No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ivory ... ... ... ... ... | lb. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Jewellery— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset | Val. | .. | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | .. | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Seeds ... ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 | 300 | 27 | 721 | 36 | 292 | ... | ... | ... | ... |
| Shells and cowries ... ... | Val. | ... | ... | .. | ... | ... | ... | ... | . | ... | ... | .. | ... | ... | ... | . | .. | . | . | . | .. | ... | ... | ... | ... | ... | ... | ... | ... |
| Silk ... ... ... ... ... .. | lb. | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | .. | . | ... | ... | ... | ... | ... | ... | ... |
| Wood— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Teak ... ... ... ... | Cubic Tons | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other kinds ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... |
| Wool ... ... ... ... ... | lb. | ... | .. | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | ... | ... | .. | . | . | ... | 2,197 | ... | ... | ... | ... |
| Total value of Raw Materials and Unmanufactured Articles ... ... ... ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | 2,560 | . | 721 | ... | 2,489 | ... | ... | ... | ... | ... | ... |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | | | | | |
| Piece-goods— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... | Yds. | .. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | . | | | | | | | | | | | | |
| White ... ... ... ... | ,, | | .. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | . | ... | . | 225 | 50 | ... | . | | | 12 | 3 | 50 | 10 | | |
| Coloured, printed, or dyed ... | ,, | . | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | | | ... | ... | .. | | | | . | | | | |
| Other sorts of piece-goods ... | Val. | ... | .. | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | ... | ... | .. | | | | | | | | |
| Thread, sewing ... ... ... | lb. | ... | . | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | .. | ... | ... | | | | | | | | |
| Other sorts of manufactures ... | Val. | ... | . | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | | | | . | | . | | | | . | | | |
| Flax— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... | Yds. | ... | ... | .. | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | . | | | | | | | |
| Canvas ... ... ... ... | ,, | ... | .. | .. | ... | ... | .. | | ... | ... | ... | ... | ... | ... | . | | | | ... | .. | ... | .. | | 4 | 2 | | | | |
| Other sorts ... ... ... ... | lb. | ... | .. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | | | | | ... | ... | .. | | | | | | | | |
| Silk— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods, pure and mixed ... | Yds. | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | | | 5 | 18 | | | | |
| Other sorts ... ... ... .. | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | | | | ... | ... | .. | . | | | .. | | | | |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897-98 *and* 1898-99—continued.

| Articles. | Reunion (Bourbon). | | | | United States. | | | | Aden. | | | | Arabia. | | | | Ceylon. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 |
| I. Animals, living ... No. | ... | Rs. ... | ... | Rs. ... | ... | Rs. ... | .. | Rs. ... | ... | Rs. ... | ... | Rs. ... | .. | Rs. ... | ... | Rs. .. | 1,705 | Rs. 14,281 | 873 | R . 10 3 2 |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | |
| Coffee ... Cwt. | ... | ... | .. | ... | .. | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | | 47 | 2,979 | 15 | 6 9 |
| Fruits and vegetables ... Val. | ... | .. | ... | ... | .. | .. | .. | .. | ... | ... | ... | .. | ... | ... | | .. | .. | 3,(6,84) | | 41 1 4 |
| Grain and pulse including flour ... Cwt. | ... | ... | ... | ... | ... | .. | | . | .. | ... | ... | ... | | | | | 4,779 | 26,26 | 2,0?7 | 8,413 |
| Liquors— | | | | | | | | | | | | | | | | | | | | |
| Ale, Beer and Porter ... ... Gals. | ... | ... | ... | ... | ... | ... | ... | . . | ... | ... | . . | ... | .. | ... | ... | ... | 5 | 14 | 109 | 413 |
| Spirit .. .. ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | | ... | 94,749 | 1,29,9?2 | 61,0.9 | 1,28 1?6 |
| Wines .. ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | 50 | 250 | ... | ... | ... | .. | ... | ... | 473 | 1,6?9 | 8?1 | 2 9 0 |
| Other sorts ... ... ... ... ... ,, | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 75 | 19 | 19 | 76 |
| Provisions ... ... ... ... ... Val. | ... | ... | ... | . | ... | 581 | ... | 458 | ... | ... | ... | ... | .. | 11,117 | . | 4,971 | . | 60,6?7 | | 71,767 |
| Salt ... ... ... ... ... ... Tons | ... | ... | ... | .. | ... | . . | ... | ... | ... | ... | ... | .. | .. | ... | .. | ... | cwt. 2,lb. 4 | 15 | cwt.?,lb.45 | 2? |
| Spices ... ... ... ... ... .. lb. | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | .. | .. | . | 10,52?,?79 | 12,?6,186 | 9,??8,?3? | 14,17,915 |
| Sugar ... ... ... ... ... ... Cwt. | ... | ... | ... | ... | 2 | 42 | .. | ... | ... | ... | .. | .. | . | . . | . | .. | 8 9 | 5,1?5 | ? ?18 | ?,? 0 |
| Tea ... ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 21,324 | 11,719 | 49,081 | 24, 93 |
| Other articles ... ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 40? | | 74 |
| Total value of articles of Food and Drink ... | ... | ... | ... | ... | ... | 623 | ... | 458 | ... | 250 | ... | ... | ... | 11,117 | ... | 4,971 | ... | 18,40,472 | | 17, ?0,145 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and cutlery including agricultural implements ... ... Val. | ... | ... | ... | ... | ... | 12,687 | ... | 60,223 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20,202 | . | ??,249 |
| B. Metals— | | | | | | | | | | | | | | | | | | | | |
| Brass ... ... .. ... ... Cwt. | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | .. | . . | .. | 189 | 9,228 | 174 | 8,186 |
| Copper— | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | 2 | 90 | | |
| Wrought ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | 112 | 19,631 | 82 | 8,(06 |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | . | . | ... | ... | ... | ... | ... | . | ... | ... | 3 | 99 | 1 | ?6 |
| Iron— | | | | | | | | | | | | | | | | | | | | |
| Wrought ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | 652 | 6,154 | ... | ... | ... | ... | ... | ... | ... | ... | 831 | 11,155 | 9?5 | 10,878 |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5,544 | 13,897 | 4,?08 | 10,612 |
| Lead ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,?55 | 14,?18 | 2,?21 | 29,161 |
| Steel ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 28 | 1,124 | 7,?20 |
| Tin— | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | 2 | 98 | lb. 28 | 15 |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | 8 | 674 | 10 | 392 |
| Zinc or spelter ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ?82 | 4,?47 | ?26 | 4,161 |
| All other kinds, unenumerated ... ,, | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ?b. ?7 | 12 | ?1 | 2,214 | 81 | 1,151 |
| Total of Metals ... ,, | ... | ... | ... | ... | ... | ... | 652 | 6,154 | ... | ... | ... | ... | ... | ... | lb. 37 | 12 | 8,462 | 76,809 | 9,452 | 80,948 |
| C. Machinery and Millwork ... ... Val. | ... | ... | ... | ... | ... | 3,525 | ... | 4,550 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 44,472 | | 60,(0) |
| D. Railway Plant and Rolling-stock ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | . | 47,?18 | ... | ... |
| Total value of Metals and Manufactures of Metals. | ... | ... | ... | ... | ... | 16,212 | ... | 70,927 | ... | ... | ... | ... | .. | .. | ... | 12 | | 1,?8,401 | | 1,66,197 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **IV. Chemicals, Drugs, Medicines, and Narcotics, and Dyeing and Tanning Materials—** | | | | | | | | | | | | | | | | | | | | | | |
| Chemical products and preparations | Val. | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | .. | . | 2,625 | .. | 3,295 |
| Drugs and medicines ... ... ... | ,, | ... | ... | ... | ... | ... | 2,079 | ... | 227 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4,582 | ... | 7 [illegible] |
| Opium ... ... Chests weighing | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | lb. 1 | 5 | lb. 1 | 8 |
| Tobacco ... ... ... ... ... | lb. | ... | ... | ... | ... | 3,520 | 2,463 | 1,760 | 1,287 | 75 | 285 | 254 | 340 | ... | ... | ... | ... | ... | 440,114 | 40,5 6 | [illegible] | 32,847 |
| Dyeing and Tanning materials ... | Cwt. | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,083 | 8,179 | 1, 0 | 8,[illegible] |
| Total value of Chemicals, Drugs, Medicines, and Narcotics, and Dyeing and Tanning Materials.. | | ... | ... | ... | ... | ... | 4,542 | ... | 1,514 | ... | 285 | ... | 340 | ... | .. | . | .. | .. | .. | 67,247 | .. | 52,022 |
| **V. Oils—** | | | | | | | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... ... ... | Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | .. | 38,769 | 21,801 | 52,[illegible]19 | 19,204 |
| Other kinds ... ... ... | Gals. | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 88 | 112 | 94 | 53 |
| | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | | | |
| Other kinds of oils ... ... .. ... | Gals. | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | 340,108 | 4,82,[illegible] | 210,[illegible] | • 2 68 879 |
| Total of Oils ... | Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . | 578,885 | 5, 7, 75 | [illegible] | 2,88,4[illegible]6 |
| | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | | |
| **VI. Raw Materials and Unmanufactured Articles—** | | | | | | | | | | | | | | | | | | | | | | |
| Coal— | | | | | | | | | | | | | | | | | | | | | | |
| Coal ... ... ... ... ... | Tons | ... | .. | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | | . | | | | | 310 | 8,060 |
| Coke ... ... ... ... ... | ,, | ... | . | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | . | . | . | . | | | | |
| Patent fuel ... ... ... .. ... | ,, | ... | ... | .. | ... | ... | . | ... | ... | . | ... | ... | ... | ... | . | . | . | . | | | | |
| Cotton ... ... ... ... ... | Cwt. | .. | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | [illegible] | 6,[illegible]4 | 241 | 1,8[illegible]6 |
| Gums and resins ... ... ... ... | ,, | ... | ... | ... | ... | 1,039 | 5,721 | 1,246 | 6,170 | ... | ... | . | ... | ... | | | | | 15 | 203 | 4 | 151 |
| Hides and skins ... ... .. | Cwt. | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4,160 | 1,02,7[illegible] | 4,[illegible] | 1,58,494 |
| | & No. | .. | ... | ... | ... | . | ... | ... | .. | ... | ... | .. | ... | ... | ... | ... | ... | ... | 115,707 | | [illegible] | |
| Ivory ... ... ... ... ... | lb. | .. | ... | .. | ... | ... | ... | ... | ... | ... | ... | . | ... | .. | | | | | | | | |
| Jewellery— | | | | | | | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset | Val. | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | ... | | | | [illegible]5,[illegible] | | [illegible]6,4[illegible] |
| Seeds ... ... ... ... ... | Cwt. | .. | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | | | . | | | 2,086 | [illegible],6[illegible] | 4,9[illegible] | [illegible],[illegible] 6 |
| Shells and cowries ... ... .. | Val. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | | | | | | | 7,.44 | | 5.8 |
| Silk ... ... ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | | | .. | | | 1 | 6 | | |
| Wood— | | | | | | | | | | | | | | | | | | | | | | |
| Teak ... ... ... ... ... | Cubic Tons | ... | ... | ... | . | | ... | . | ... | ... | ... | .. | ... | | . | . | | | 6 | 40[illegible] | | |
| Other kinds ... ... ... ... | Val. | . | . | .. | .. | . | ... | .. | ... | ... | ... | ... | ... | . | | | | | | 7[illegible],[illegible]4 | | [illegible] 475 |
| Wool ... ... ... ... ... | lb. | ... | . | .. | .. | | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | ... | | |
| All other articles, unenumerated | Val. | .. | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | .. | | | 18,[illegible]4 | | 10,[illegible]57 |
| Total value of Raw Materials and Unmanufactured Articles ... ... ... ... ... ... | | ... | ... | ... | ... | ... | 5,721 | ... | 6,170 | ... | ... | ... | ... | .. | . | . | | | | [illegible]8,[illegible]17 | | 5,[illegible] 7 |
| **VII. Articles Manufactured and partly Manufactured—** | | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | .. | | | | | 113,076 | [illegible]8,[illegible]1 | 107,185 | [illegible],[illegible]0 |
| Piece-goods— | | | | | | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... ... | Yds. | ... | ... | ... | . | .. | ... | ... | ... | ... | .. | ... | ... | | .. | .. | | | 228,[illegible] | [illegible]9,417 | 14[illegible],[illegible]41 | [illegible]7,[illegible]1[illegible] |
| White ... ... ... ... .. | ,, | ... | ... | .. | | .. | | ... | ... | ... | ... | ... | | | | | | | 70,[illegible]80 | 1[illegible],[illegible]46 | [illegible],[illegible]7 | [illegible],[illegible]10 |
| Coloured, printed, or dyed ... | ,, | ... | ... | .. | . | ... | ... | ... | ... | . | . | ... | | | . | . | | | [illegible]05,[illegible]23 | [illegible],[illegible]14 | 4[illegible],[illegible]18 | 1,[illegible]0,[illegible]2 |
| Other sorts of piece-goods ... | Val. | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | . | . | . | | | | |
| Thread, sewing ... ... ... ... | lb. | ... | ... | .. | ... | ... | .. | .. | .. | ... | ... | ... | ... | | . | . | | | | | [illegible]8 | 174 |
| Other sorts of manufactures ... | Val. | ... | ... | .. | .. | ... | . | ... | ... | ... | ... | ... | ... | | . | .. | | | | 3,[illegible]52 | | [illegible],[illegible]1 |
| Flax— | | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... | Yds. | ... | ... | .. | .. | .. | ... | .. | ... | ... | . | ... | . | | . | | | | [illegible]5 | 3 | 16 | 4[illegible] |
| Canvas ... ... ... ... ... | ,, | ... | ... | .. | . | ... | .. | ... | ... | ... | ... | ... | | | ... | . | | | | | | |
| Other sorts ... ... ... ... | lb. | ... | ... | ... | . | . | ... | ... | ... | ... | .. | ... | . | .. | .. | ... | | | 8 9 | 9. | [illegible]4 | 1[illegible]6 |
| Silk— | | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods, pure and mixed ... | Yds. | ... | ... | .. | .. | . | .. | | | | .. | ... | ... | ... | ... | | | | 10,617 | 14,195 | 1[illegible],[illegible]16 | 22,[illegible]26 |
| Other sorts ... ... ... ... | lb. | ... | ... | ... | ... | ... | .. | .. | .. | ... | ... | ... | . | ... | .. | ... | ... | | | | 1 | [illegible]8 |

# C.—TRADE—*continued.*

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | China. | | | | Japan. | | | | Persia. | | | | Straits Settlements. | | | | Turkey in Asia. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 |
| I. Animals, living ... ... ... ... No. | .. | Rs. ... | ... | Rs. .. | .. | Rs. .. | .. | Rs. .. | ... | Rs. ... | ... | Rs. .. | 9 | Rs. 722 | 9 | Rs. 500 | | Rs. .. | | Rs. |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... .. ... Cwt. | . | | | .. | | .. | | . | ... | . | .. | .. | 37 | 2,674 | 27 | 1,637 | | | | |
| Fruits and vegetables ... ... Val. | . | . | . | . | . | . | . | . | . | ... | ... | ... | ... | 3,619 | . | 3,798 | | | | |
| Grain and pulse including flour Cwt. | | | . | .. | . | . | . | . | . | . | ... | . | 1,758 | 13,526 | 7,958 | 26,517 | | | | |
| Liquors— | | | | | | | | | | | | | | | | | | | | |
| Ale, Beer and Porter ... . ... Gals. | .. | . | .. | ... | . | ... | ... | . | ... | ... | ... | ... | ... | . | | | | | | |
| Spirit ... ... ... ... . ... ,, | .. | . | ... | | .. | . | ... | . | ... | ... | ... | ... | ½ | 6 | 5 | 48 | | | | |
| Wines ... ... ... ... .. .. ,, | .. | .. | 8 | 23 | | .. | ... | ... | ... | ... | 7 | 60 | ½ | 2 | 8 | 54 | | | | |
| Other sorts ... ... ... ... ,, | .. | ... | . | ... | .. | | .. | . | ... | ... | .. | ... | ... | . | | | | | | |
| Provisions ... ... ... ... . Val. | ... | 455 | . | 1,050 | ... | | . | .. | ... | 16,371 | ... | 32,679 | ... | 67,930 | | 59,933 | | 1,37,052 | | 39,111 |
| Salt ... ... ... .. . ... Tons | .. | .. | .. | .. | ... | | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |
| Spices ... ... ... ... .. . lb. | ... | ... | ... | .. | .. | | | . | ... | .. | ... | .. | 12,014,279 | 10,26,655 | 11,285,467 | 12,67,612 | | | | |
| Sugar ... ... ... ... .. . Cwt. | 289 | 3,756 | ... | .. | . | . | .. | ... | . | . | .. | .. | 1,247 | 20,293 | 1,445 | 23,180 | | | | |
| Tea ... ... ... ... ... lb. | 422 | 256 | 692 | 502 | .. | .. | .. | . | ... | . | ... | ... | 2,694 | 1,283 | 682 | 239 | | | | |
| Other articles ... ... ... . ... Val. | . | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | | | | | | | |
| Total value of articles of Food and Drink .. | .. | 4,467 | ... | 1,575 | ... | ... | .. | ... | ... | 16,371 | ... | 32,739 | ... | 11,35,988 | . | 13,83,018 | | 1,37,052 | | 39,111 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and cutlery including agricultural implements .. .. .. Val. | ... | 130 | ... | 2,219 | .. | ... | ... | 300 | ... | ... | ... | ... | ... | 7,427 | | 7,648 | | | | |
| B. Metals— | | | | | | | | | | | | | | | | | | | | |
| Brass ... ... ... .. ... Cwt. | ... | ... | ... | .. | .. | | .. | .. | ... | ... | ... | ... | 174 | 5,808 | 65 | 2,805 | | | | |
| Copper— | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | ... | ... | ... | ... | 1,519 | 60,018 | 661 | 28,610 | ... | ... | ... | ... | 12 | 456 | | | | | | |
| Wrought ... ... ... ... ,, | .. | ... | ... | ... | .. | ... | 36 | 1,509 | ... | ... | ... | ... | 46 | 1,975 | 12 | 690 | | | | |
| Other sorts ... ... ... ... ,, | . | .. | .. | .. | .. | .. | ... | . | ... | ... | ... | ... | 30 | 968 | 6 | 226 | | | | |
| Iron— | | | | | | | | | | | | | | | | | | | | |
| Wrought ... ... ... .. Cwt. | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | ... | 9 | 145 | 17 | 76 | | | | |
| Other sorts ... ... ... ... ,, | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | 439 | 1,102 | 132 | 332 | | | | |
| Lead ... ... ... ... ... ,, | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | ... | ... | lb. 24 | 3 | lb. 4 | 1 | | | | |
| Steel ... ... ... ... ... ,, | ... | ... | ... | .. | ... | .. | ... | .. | ... | ... | ... | ... | ... | | | | | | | |
| Tin— | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | 6,259 | 3,76,906 | 2,780 | 1,55,635 | | | | |
| Other sorts ... ... ... ... ,, | ... | ... | ... | . | ... | . | . | .. | . | . | ... | ... | 20 | 2,006 | 17 | 1,779 | | | | |
| Zinc or spelter ... ... ... ... ,, | ... | ... | ... | .. | ... | ... | | . | .. | . | . | . | 2 | 45 | .. | .. | | | | |
| All other kinds, unenumerated ... ,, | 10 | 1,969 | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | 8 | 840 | 12 | 1,597 | | | | |
| Total of Metals ... ,, | 10 | 1,969 | ... | ... | 1,515 | 60,018 | 697 | 30,119 | ... | ... | ... | ... | 6,999 | 3,90,254 | 3,041 | 1,63,141 | | | | |
| C. Machinery and Millwork ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | ... | .. | .. | | . |
| D. Railway Plant and Rolling-stock ... ,, | ... | ... | ... | .. | ... | ... | ... | . | ... | ... | ... | ... | .. | . | ... | .. | .. | . | ... | ... |
| otal value of Metals and Manufactures of Metals ... | ... | 2,099 | .. | 2,219 | .. | 60,018 | . | 30,419 | .. | ... | . | ... | ... | 3,97,681 | | 1,70,789 | | .. | . | . |

| | | |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | Other countries in Asia. | | | | Victoria. | | | | Other countries. | | | | Total. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 |
| I. Animals, living ... ... ... ... ... No. | ... | Rs. ... | 19 | Rs. 461 | 728 | Rs. 2,87,175 | 1,017 | Rs. 3,89,380 | .. | Rs. ... | .. | Rs. ... | 2,477 | Rs. 3,04,083 | 1,948 | Rs. 4 00,868 |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... ... ... Cwt. | ... | ... | ... | ... | lb. 3 | 2 | ... | ... | 74 | 2,236 | ... | .. | 164 | 7,573 | 47 | 2 581 |
| Fruits and vegetables ... ... ... Val. | ... | 11,415 | ... | 84 | ... | 25 | ... | 51 | ... | 40 | ... | ... | | 3,31,216 | | 50,114 |
| Grain and pulse including flour ... ... Cwt. | .. | ... | ... | ... | 2,360 | 14,672 | 2,578 | 14,750 | 250 | 3,273 | 63 | 790 | 10,821 | 70,131 | 12,653 | 50,061 |
| Liquors— | | | | | | | | | | | | | | | | |
| Ale, Beer and Porter ... ... ... Gals. | ... | ... | ... | ... | ... | ... | ... | ... | 148 | 406 | ... | ... | 412,515 | 5,75,522 | 464,500 | 6,10,380 |
| Spirit ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | 11/40 | 4 | 238 | 2,800 | 1,083 | 8,849 | 188,585 | 9,79,667 | 171,133 | 11,17,111 |
| Wines ... ... ... ... ... ,, | ... | ... | ... | ... | 260 | 3,510 | 302 | 3,411 | 186 | 1,404 | 691 | 4,906 | 46,492 | 4,65,805 | 45,098 | 4,14,302 |
| Other sorts ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | 402 | 1,579 | 38 | 96 |
| Provisions ... ... ... ... ... Val. | ... | 70,253 | ... | 33,588 | ... | 618 | ... | 7,813 | ... | 742 | .. | 5,367 | ... | 12,80,000 | | 11,80,678 |
| Salt ... ... ... ... ... ... Tons | ... | ... | ... | ... | . | ... | ... | ... | .. | . | ... | .. | 85 | 10,010 | 101 | 11,202 |
| Spices ... ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | 22,540,902 | 23,22,911 | 20,624,254 | 26,85,656 |
| Sugar ... ... ... ... ... ... Cwt. | ... | ... | ... | .. | . | ... | ... | .. | ... | . | . | . | 7,689 | 88,981 | 11,195 | 1,20,264 |
| Tea ... ... ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | 16 | 18 | .. | ... | . | . | 26,052 | 14,256 | 50,849 | 25,245 |
| Other articles ... ... ... ... ... Val. | ... | ... | ... | ... | .. | ... | ... | ... | .. | .. | .. | .. | ... | 13,658 | ... | 19,018 |
| Total value of articles of Food and Drink ... | ... | 81,668 | ... | 33,672 | ... | 18,827 | ... | 26,047 | ... | 10,901 | ... | 19,912 | ... | 61,61,309 | | 62,87,648 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | |
| A. Hardware and cutlery including agricultural implements ... ... ... Val. | ... | 19 | ... | ... | ... | 371 | ... | 71 | ... | 1,036 | ... | 350 | ... | 15,70,763 | | 14,66,544 |
| B. Metals— | | | | | | | | | | | | | | | | |
| Brass ... ... ... ... ... Cwt. | ... | ... | 1 | 16 | ... | ... | ... | ... | ... | ... | ... | ... | 1,570 | 91,720 | 442 | 26,162 |
| Copper— | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,579 | 62,756 | 723 | 31,162 |
| Wrought ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | .. | . | 40,074 | 17,18,416 | 17,063 | 7,93,219 |
| Other sorts ... ... ... ... ,, | ... | ... | lb. 56 | 51 | ... | ... | ... | ... | ... | .. | ... | .. | 33 | 1,067 | 7 | 277 |
| Iron— | | | | | | | | | | | | | | | | |
| Wrought ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | 52 | 150 | 42,835 | 3,29,289 | 8,960 | 67,119 | 491,509 | 33,17,221 | 367,496 | 23,93,694 |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 8,983 | 24,041 | 15,368 | 42,754 |
| Lead ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | 151 | 1,600 | ... | ... | .. | ... | 4,958 | 64,074 | 7,027 | 86,810 |
| Steel ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | 1,046 | 12,516 | 1,527 | 18,600 | 66,327 | 5,92,557 | 58,773 | 5,48,447 |
| Tin— | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6,263 | 3,77,116 | 2,805 | 1,57,214 |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 32 | 2,804 | 35 | 2,417 |
| Zinc or spelter ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | 4,726 | 82,090 | 2,612 | 46,931 |
| All other kinds, unenumerated ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | 1,211 | 85,453 | 1,125 | 1,49,367 |
| Total of Metals ... ,, | ... | ... | 1 | 31 | ... | ... | 203 | 1,750 | 43,881 | 3,41,805 | 10,487 | 85,719 | 627,265 | 64,19,315 | 473,476 | 42,73,534 |
| C. Machinery and Millwork ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 32,21,434 | ... | 25,44,966 |
| D. Railway Plant and Rolling-stock ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22,524 | ... | 17,04,572 | ... | 16,39,205 |
| Total value of Metals and Manufactures of Metals ... | ... | 19 | ... | 31 | ... | 371 | ... | 1,821 | ... | 3,42,841 | ... | 1,08,593 | ... | 1,29,16,084 | ... | 99,24,339 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IV. Chemicals, Drugs, Medicines, and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | |
| Chemical products and preparations ... | Val. | ... | ... | ... | ... | ... | ... | 228 | ... | 9 | ... | ... | 27 | . | 1,110 | ... | 4,38,243 | | 5,08,565 |
| Drugs and medicines ... ... ... | ,, | ... | ... | ... | ... | ... | ... | .. | 106 | ... | ... | ... | ... | . | 53 | ... | 8,29,596 | | 7,32 184 |
| Opium ... ... ... | Chests weighing Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | lb 20 | 326 | lb. 12 | 202 |
| Tobacco ... ... ... ... ... | lb. | 45,909 | 89,011 | 88,417 | 2,45,392 | ... | ... | ... | 101 | 572 | 58 | ... | 138 | 60 | 240 | 852,662 | 6,04,900 | 810,002 | 6,08,277 |
| Dyeing and tanning materials ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | 5,570 | 1,99,882 | 6,835 | 2,70,648 |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials. | | ... | 89,011 | ... | 2,45,392 | ... | 228 | ... | 687 | ... | | 165 | .. | | 1,403 | | 20,73,037 | | 21 26,676 |
| V. Oils— | | | | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... ... ... | Gals. | 1,414,538 | 6,14,985 | 546,333 | 2,06,043 | ... | ... | ... | ... | ... | ... | .. | .. | .. | | 6,810,412 | 27,24,601 | 6,971,312 | 27 05,720 |
| Other kinds ... ... ... ... | Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | | 19,647 | 21,477 | 366,692 | 48,255 |
| | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | | 30 | | | |
| Other kinds of oils ... ... ... ... | Gals. | ... | ... | ... | ... | ... | ... | 27 | 265 | ... | ... | .. | .. | .. | | 383,760 | 5,56,169 | 257,121 | 3 26,648 |
| Total of Oils | Gals. | 1,414,538 | 6,14,985 | 546,333 | 2,06,043 | ... | ... | 27 | 265 | ... | ... | .. | .. | .. | | 7,215,819 | 55 02 247 | 7,595 145 | 31 40 601 |
| | Cwt. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | | 30 | | | |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | | | | |
| Coal— | | | | | | | | | | | | | | | | | | | |
| Coal ... ... ... ... ... ... | Tons | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | ... | | | | 40,198 | 8,14,048 | 16 111 | 1 80 276 |
| Coke ... ... ... ... ... ... | ,, | .. | .. | .. | ... | ... | ... | ... | ... | ... | . | .. | | | | 3,269 | 1,10,509 | 1,361 | 48,672 |
| Patent fuel ... ... ... ... ... | ,, | . | .. | .. | .. | ... | ... | ... | .. | ... | .. | | | . | | | | | |
| Cotton ... ... ... ... ... | Cwt. | .. | . | .. | .. | ... | ... | ... | .. | .. | . | .. | | | | 456 | 8 481 | 242 | 1 989 |
| Gums and resins ... ... ... | ,, | . | . | .. | ... | ... | ... | .. | ... | . | | | | | | 8,446 | 1,28,817 | 7 542 | 1 19 75 |
| Hides and skins ... ... ... | Cwt. | .. | . | .. | ... | ... | ... | ... | ... | ... | ... | 169 | 7,264 | | | 5,438 | 2 02 379 | 5,551 | 2 06 025 |
| | & No. | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | 6,933 | | | | 153,523 | | 157,814 | |
| Ivory ... ... ... ... ... | lb. | . | . | ... | ... | .. | ... | ... | .. | ... | | ... | | | | | | | |
| Jewellery— | | | | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset ... | Val. | . | . | ... | ... | ... | ... | ... | ... | ... | .. | . | 140 | | | | 55 980 | | 7 46 |
| Seeds ... ... ... ... ... | Cwt. | .. | .. | 2 | 165 | lb. 14 | 42 | lb. 45 | 108 | lb. 1 | 2 | 2 | 3,000 | | | 2,252 | 64,658 | 5,104 | 1 04 64 |
| Shells and cowries ... ... ... | Val. | .. | 1 | ... | 19 | .. | ... | ... | .. | .. | .. | | | | | | 7,145 | | 57 |
| Silk ... ... ... ... ... | lb. | ... | ... | .. | ... | ... | ... | ... | ... | .. | ... | | | | | 426 | 2,710 | 563 | 2 80 |
| Wood— | | | | | | | | | | | | | | | | | | | |
| Teak ... ... ... ... | Cubic Tons | 23 | 4,408 | ... | .. | ... | ... | ... | ... | .. | ... | .. | | | | 31 | 5,063 | | |
| Other kinds ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | 1,00,618 | | 96 06 |
| Wool ... ... ... ... ... | lb. | .. | ... | ... | ... | ... | ... | 56 | 10 | ... | ... | .. | | | | 10 | 5 | 5,168 | 2,310 |
| All other articles, unenumerated ... | Val. | ... | ... | ... | 10 | ... | 48,910 | ... | 43,554 | ... | .. | | 1,300 | | | | 2,55,658 | | 2 79 556 |
| Total value of Raw Materials and Unmanufactured Articles ... ... ... ... ... | | ... | 4,409 | ... | 194 | ... | 48,952 | ... | 43,672 | ... | | 2 | . | | 11,704 | | 17 36,071 | | 12 63,668 |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | | | 15,359,385 | 1,02,76,420 | 11,552 900 | 71 49,932 |
| Piece-goods— | | | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... ... | Yds. | ... | ... | .. | ... | ... | ... | ... | ... | ... | .. | | | | | 71,077,031 | 93,45,245 | 52,594 850 | 65 80 980 |
| White ... ... ... ... | ,, | ... | ... | ... | ... | .. | ... | ... | ... | .. | ... | | | | | 24,998,745 | 40,65,851 | 14,395,043 | 23 22,350 |
| Coloured, printed, or dyed ... | ,, | ... | ... | ... | ... | .. | ... | ... | ... | .. | | | | | | 28,191,288 | 46,63,594 | 26 586,795 | 41 27,258 |
| Other sorts of piece-goods ... | Val. | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | | | | | | | | |
| Thread, sewing ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | | | | 46,623 | 69 622 | 55,366 | 50,598 |
| Other sorts of manufactures ... | Val. | ... | .. | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | 38,673 | | 48 239 |
| Flax— | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... | Yds. | | ... | ... | . | ... | . | ... | . | | . | | | | | 68 471 | 27,386 | 6,279 | 14 967 |
| Canvas . .. ... ... | ,, | ... | . | ... | | . | | | | | | | | | | 165,032 | 57 607 | 8,490 | 1 189 |
| Other sorts ... ... ... | lb. | ... | ... | .. | ... | .. | ... | ... | | | .. | .. | | | | 21,047 | 20,548 | 18,145 | 17,05 |
| Silk— | | | | | | | | | | | | | | | | | | | |
| Piece-goods, pure and mixed ... | Yds. | ... | | .. | | . | .. | . | | | .. | .. | | | | 86,069 | 80,681 | 68 737 | 80 330 |
| Other sorts ... ... ... ... | lb. | . | . | .. | .. | | ... | ... | .. | | | .. | | | | 850 | 1,175 | 1,315 | 31,211 |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | United Kingdom. | | | | Austria-Hungary. | | | | Belgium. | | | | France | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs | | Rs |
| VII. Articles Manufactured and partly Manufactured—*cont.* | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics—*cont.* | | | | | | | | | | | | | | | | |
| Wool— | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... Yds. | 331,994 | 3,44,406 | 403,178 | 3,82,346 | 1,87 | 2,083 | 523 | 805 | ... | | 652 | 725 | | | 971 | 1,41 |
| Other sorts ... ... ... ... Val. | ... | 52,069 | ... | 69,699 | ... | 4,157 | ... | 5,052 | .. | 813 | | 1,109 | | 124 | | 80 |
| All other articles, unenumerated ... ,, | ... | 9,800 | ... | 21,985 | ... | 860 | ... | 514 | ... | ... | | . | | | | |
| Total value of Yarns and Textile Fabrics. | ... | 2,85,47,718 | ... | 2,02,35,675 | ... | 46,477 | ... | 42,237 | ... | 5,995 | | 6 622 | | 856 | | 7 80 |
| B. Apparel (including Haberdashery, Millinery, &c.)— | | | | | | | | | | | | | | | | |
| Apparel including drapery, haberdashery, millinery, uniforms, accoutrements, but excluding hosiery ... Val. | ... | 6,23,960 | ... | 6,52,600 | ... | 9,743 | ... | 9,095 | ... | 985 | . | 180 | | 10,63,602 | | 12,38 831 |
| Boots and shoes ... ... ... Pairs. | 15,510 | 56,639 | 20,070 | 60,798 | ... | ... | ... | ... | .. | .. | ... | ... | | | | |
| Total value of Apparel, &c. ... | ... | 6,80,599 | ... | 7,13,398 | ... | 9,743 | ... | 9,095 | ... | 985 | ... | 180 | | 10,63,602 | | 12,38 83 |
| C. Other Articles— | | | | | | | | | | | | | | | | |
| Arms, Ammunition, &c. (excluding Military accoutrements) ... ... ... Val. | ... | 10,27,524 | ... | 11,39,812 | ... | ... | ... | ... | ... | .. | .. | .. | | .. | | |
| Books and printed matter ... ... ... Cwt. | 876 | 1,72,578 | 993 | 1,77,130 | 10 | 1,464 | 5 | 505 | ... | ... | 2 | 240 | 3 | 170 | 3 | 315 |
| Building and Engineering Materials— | | | | | | | | | | | | | | | | |
| Cement ... ... ... ... .. Cwt. | 41,237 | 95,617 | 33,863 | 86,274 | ... | ... | ... | ... | 43,697 | 89,551 | 29,507 | 59,119 | | | 1,266 | 3,011 |
| Other sorts ... ... ... ... ... Val. | ... | 39,043 | ... | 25,355 | ... | ... | ... | 42 | ... | .. | .. | .. | | .. | | 1,574 |
| Cabinetware and furniture ... ... ,, | ... | 52,763 | ... | 46,689 | ... | 3,148 | ... | 3,229 | .. | .. | .. | .. | .. | 655 | | 1,103 |
| Candles of all sorts ... ... ... lb. | 537,841 | 1,39,177 | 521,461 | 1,39,549 | ... | ... | ... | ... | 455,845 | 1,20,508 | 54,499 | 14,728 | | . | | ... |
| Carriages, carts, &c. (excluding Railway carriages and parts thereof) ... ... Val. | ... | 4,46,305 | ... | 3,67,416 | ... | 120 | ... | 1,457 | .. | . | ... | ... | | . | | .. |
| Clocks and watches ... ... ... No. | 5,130 | 32,950 | 5,411 | 35,077 | 172 | 1,070 | 193 | 1,288 | .. | . | ... | ... | ... | ... | 1,311 | 4,731 |
| Earthenware and porcelain ... ... Val. | ... | 1,26,521 | ... | 89,189 | ... | 469 | ... | 454 | ... | 20,301 | ... | 17,446 | . | 1,470 | . . | 635 |
| Fire-works ... ... ... ... ... ,, | .. | 355 | ... | 37 | ... | ... | ... | . . | ... | ... | ... | ... | . | 588 | . | ... |
| Glass and Glassware— | | | | | | | | | | | | | | | | |
| Beads and false pearls ... ... ... Cwt. | 10 | 4,390 | 18 | 6,386 | 431 | 65,625 | 175 | 21,694 | 8 | 1,578 | 9 | 2,153 | 78 | 33,893 | 69 | 26,159 |
| Other ware ... ... ... ... ... Val. | ... | 2,42,504 | ... | 2,04,988 | ... | 34,387 | ... | 64,636 | ... | 59,730 | ... | 1,08,973 | .. | 5,039 | | 5,774 |
| Instruments and apparatus (of all kinds). ,, | ... | 2,74,741 | ... | 3,29,222 | ... | 2,311 | ... | 2,519 | .. | 254 | . | 646 | ... | 1,166 | . | 5,515 |
| Ivory, manufactured ... ... ... ... ,, | ... | ... | ... | 3,133 | ... | ... | ... | ... | ... | . . | | ... | ... | . | ... | |
| Jewellery (excluding precious stone and pearls, unset) .. ... ... ... ,, | ... | 15,800 | ... | 66,765 | ... | 156 | ... | 104 | ... | .. | .. | ... | ... | 2,493 | | 27,367 |

| | | |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | Germany. | | | | Holland. | | | | Italy. | | | | Malta. | | | | Portugal. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| VII. Articles Manufactured and partly Manufactured—*cont.* | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics—*cont.* | | | | | | | | | | | | | | | | | | | | |
| Wool— | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... Yds. | 1,994 | 1,785 | 2,839 | 4,904 | .. | ... | ... | ... | ... | ... | 6 | 20 | ... | ... | ... | .. | ... | ... | ... | ... |
| Other sorts ... ... ... ... Val. | ... | 5,855 | ... | 6,216 | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... „ | ... | ... | ... | 205 | .. | ... | ... | . | ... | ... | .. | .. | ... | ... | ... | .. | ... | ... | ... | ... |
| Total value of Yarns and Textile Fabrics ... | ... | 9,116 | ... | 12,331 | ... | ... | ... | .. | ... | 900 | ... | 22,524 | ... | . | ... | ... | ... | ... | ... | ... |
| B. Apparel (including Haberdashery, Millinery, &c.)— | | | | | | | | | | | | | | | | | | | | |
| Apparel including drapery, haberdashery, millinery, uniforms, accoutrements but excluding hosiery... Val. | ... | 5,121 | ... | 10,499 | ... | .. | ... | | . | 6,175 | ... | 572 | ... | ... | ... | | ... | ... | ... | ... |
| Boots and shoes ... ... ... ...Pairs. | 13 | 78 | 101 | 370 | .. | .. | . | ... | ... | ... | ... | ... | .. | . | . | | ... | ... | ... | ... |
| Total value of Apparel, &c. ... | ... | 5,199 | ... | 10,869 | . | | . | . | ... | 6,175 | ... | 572 | ... | ... | ... | . | ... | ... | | ... |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | |
| Arms, Ammunition, &c. (excluding Military accoutrements) ... ... ... Val. | ... | 190 | ... 7 | 760 | ... | ... | | ... | . | .. | .. | . | .. | ... | ... | ... | .. | ... | ... | ... |
| Books and printed matter ... ... Cwt. | 7 | 1,284 | | 1,093 | ... | | | | 1 | 115 | 3 | 663 | . | .. | . | ... | .. | .. | ... | ... |
| Building and Engineering Materials— | | | | | | | | | | | | | | | | | | | | |
| Cement ... ... ... ... ... ... Cwt. | 2,701 | 6,271 | 1,801 | 6,178 | .. | ... | . | | 1,164 | 3,451 | 7,361 | 13,546 | | | | | . | ... | ... | ... |
| Other sorts ... ... ... ... ... Val. | ... | 3,535 | ... | 748 | .. | | | .. | | . | | .. | | .. | . | . | . | . | ... | .. |
| Cabinetware and furniture ... ... ... „ | ... | 9,713 | ... | 13,963 | . | | | | | | | | | ... | . | . | . | . | ... | ... |
| Candles of all sorts ... ... ... ... lb. | 150 | 61 | 128 | 52 | 111,152 | 35,323 | 398,626 | 104,589 | | | | | . | | | ... | .. | .. | .. | .. |
| Carriages, carts, &c. (excluding Railway carriages and parts thereof) ... ... Val. | ... | 305 | ... | 2,430 | ... | | . | ... | | | | ... | | | .. | . | ... | .. | .. | ... |
| Clocks and watches ... ... ... No. | 188 | 876 | 325 | 875 | ... | | | | . | | .. | .. | .. | | ... | . | | . | . | ... |
| Earthenware and porcelain ... ... Val. | ... | 1,620 | ... | 818 | ... | 965 | | 4,550 | . | .. | | 20 | | .. | .. | . | . | ... | ... | ... |
| Fire-works ... ... ... ... ... „ | ... | 820 | ... | | ... | ... | ... | ... | . | | | .. | .. | ... | .. | . | . | .. | .. | ... |
| Glass and Glassware— | | | | | | | | | | | | | | | | | | | | |
| Beads and false pearls ... ... ... Cwt. | 100 | 9,620 | 59 | 9,556 | | . | | .. | 86 | 31,462 | 313 | 11,740 | . | | | .. | . | . | .. | ... |
| Other ware ... ... ... ... ... Val. | ... | 21,669 | ... | 21,036 | ... | | ... | . | .. | 5,160 | | 705 | .. | . | . | ... | . | .. | ... | ... |
| Instruments and apparatus (of all kinds) „ | ... | 18,495 | .. | 20,025 | ... | .. | .. | | | 175 | .. | 884 | .. | . | .. | ... | ... | ... | ... | ... |
| Ivory, manufactured ... ... .. „ | ... | ... | ... | ... | .. | | . | | | . | | | . | ... | .. | ... | | ... | .. | ... |
| Jewellery (excluding precious stones and pearls, unset)... ... ... ... ... „ | ... | 1,140 | ... | 1,691 | .. | . | . | | | 22 | . | 142 | ... | . | .. | . | ... | ... | .. | ... |

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(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | Russia. | | | | Spain. | | | | Mozambique. | | | | Zanzibar. | | | | Egypt. | | | | Mauritius. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 |
| | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| VII. Articles Manufactured and partly Manufactured—*cont.* | | | | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics—*cont.* | | | | | | | | | | | | | | | | | | | | | | | | |
| Wool— | | | | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... .. ... Yds. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | 5 | 7 | | | 241 | 272 | | | | |
| Other sorts ... ... ... ... Val. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | . | | . | | |
| All other articles, unenumerated ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | | | | ... | | | |
| Total value of Yarns and Textile Fabrics . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 57 | .. | | | 272 | | 23 | | 10 |
| B. Apparel (including Haberdashery, Millinery, &c.)— | | | | | | | | | | | | | | | | | | | | | | | | |
| Apparel including drapery, haberdashery, millinery, uniforms, accoutrements, but excluding hosiery ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | 5 | ... | 200 | . | 95 | | 30 | | 50 |
| Boots and shoes ... ... ... ...Pairs. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | ... | .. | | | .. | | .. | . | ... |
| Total value of Apparel, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | 200 | .. | 95 | | 30 | | 50 |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | | | | | |
| Arms, Ammunition, &c. (excluding Military accoutrements) ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Books and printed matter ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | lb. 56 | 50 | ... | ... | ... | ... |
| Building and Engineering Materials— | | | | | | | | | | | | | | | | | | | | | | | | |
| Cement ... ... ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| Other sorts ... ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... |
| Cabinetware and furniture ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 150 | ... | 328 |
| Candles of all sorts ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| Carriages, carts, &c. (excluding Railway carriages and parts thereof) ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Clocks and watches ... ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 8 |
| Earthenware and porcelain ... ... Val. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,000 | ... | ... | ... | 16 | ... | 3 |
| Fire-works ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Glass and Glassware— | | | | | | | | | | | | | | | | | | | | | | | | |
| Beads and false pearls ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other ware ... ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 | ... | 5 |
| Instruments and apparatus (of all kinds). ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | 18 |
| Ivory, manufactured ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Jewellery (excluding precious stones and pearls, unset) ... ... ... ... ,, | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leather and Manufactures of Leather— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | | | | | | | | | | | |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saddlery and harness ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | .. | | | | | | |
| Other sorts ... ... ... ... ... | ,, | ... | .. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | . | | | | | | | |
| Matches ... ... ... ... ... ... | ,, | ... | .. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | | | | . | | .. | | | | | |
| Paints and colours and painters' materials | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | | | | | | | | | | | | |
| Paper and pasteboard ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | 90 | .. | . | | | .. | | | | | | |
| Soap ... ... ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | .. | | | | | .. | ... | | | | | |
| Stationery ... ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | .. | | | | . | 14 | | 8 | | | | |
| Toys and requisites for games ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 12 | | | | | 7 | 18 | 5 | 10 | | | | |
| Umbrellas ... ... .. ... ... | No. | ... | .. | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | . | . | .. | | | | | | .. | ... | .. | | | | |
| Wood—manufactures of ... ... ... | Val. | ... | .. | ... | 9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | .. | | | | | | .. | | | | | | |
| Articles imported by post (not specified). | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | . | | ... | | .. | . | ... | .. | | | | |
| All other articles, unenumerated ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | . | | 10 | . | | .. | 502 | . | 21 | .. | | | | | |
| Total value of Other Articles ... | | ... | ... | ... | 9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 28 | ... | 1,090 | . | 552 | .. | 240 | ... | 380 | | | | |
| Total value of Articles Manufactured and partly Manufactured ... ... ... ... | | ... | ... | ... | 9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 90 | .. | 1,290 | | 919 | ... | 293 | .. | 440 | | | | |
| Merchandise ... { Free ... ... ... ... | Val. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | | 2,265 | | 550 | . | | .. | 5 | | | | |
| { Dutiable ... ... ... | ,, | ... | 20,87,806 | ... | 25,40,980 | ... | 53,765 | ... | 65,153 | ... | ... | ... | ... | ... | ... | ... | | 173 | .. | 3,571 | ... | 3,855 | ... | 3,074 | | 13,369 | | | | |
| Total ... | | ... | 20,87,806 | ... | 25,40,980 | ... | 53,765 | ... | 65,153 | ... | ... | ... | ... | ... | ... | ... | | 173 | .. | 5,836 | .. | 4,405 | .. | 3,074 | | 13,374 | | | | |
| Treasure ... { Gold ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | ... | .. | 5,72,380 | | 4,31,865 | . | . | | | | | | |
| { Silver ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | .. | .. | | . | . | 2,000 | | 18,000 | | | | |
| Total ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... | 5,72,380 | ... | 4,31,865 | ... | 2,000 | | 18,000 | | | | |
| Grand total of Imports of Merchandise and Treasure ... ... ... | Val. | ... | 20,87,806 | ... | 25,40,980 | ... | 53,765 | ... | 65,153 | ... | ... | ... | ... | ... | ... | .. | | 173 | . | 5,78,216 | | 4,36,270 | .. | 5,074 | | 31,374 | | | | |
| Government ... { Stores ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | ... | . | . | | | | | | |
| { Treasure— | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| { Gold ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | .. | .. | . | .. | .. | .. | | | | | | | | |
| { Silver ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | .. | ... | . | | -. | | | | |
| { Total, Treasure ... | | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | | | | | | | | |
| { Total, Stores and Treasure ... | | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | | | | | | |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | Réunion (Bourbon). | | | | United States. | | | | Aden. | | | | Arabia. | | | | Ceylon. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-98. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897 98. | | 1895 99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 |
| | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| VII. Articles Manufactured and partly Manufactured—*cont.* | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics—*cont.* | | | | | | | | | | | | | | | | | | | | |
| Wool— | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... ... Yds. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,616 | 777 | 1,438 | 1,423 |
| Other sorts ... ... ... ... ... Val. | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 791 | | 1,113 |
| All other articles, unenumerated ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 4,34,860 | ... | 3,70,047 |
| Total value of Yarns and Textile Fabrics ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | 6,45,221 | | 6,24,269 |
| B. Apparel (including Haberdashery, Millinery &c.)— | | | | | | | | | | | | | | | | | | | | |
| Apparel including drapery, haberdashery, millinery, uniforms accoutrements, but excluding hosiery ... Val. | ... | ... | ... | ... | .. | 736 | ... | 1,543 | ... | ... | ... | ... | ... | ... | ... | ... | . | 63,502 | ... | 79,493 |
| Boots and shoes ... ... ... ... Pairs. | ... | ... | ... | ... | 5 | 22 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,085 | 2,576 | 1,272 | 2,710 |
| Total value of Apparel, &c. ... | ... | ... | ... | ... | ... | 758 | ... | 1,543 | ... | ... | ... | ... | ... | ... | ... | ... | | 66,078 | ... | 82,703 |
| Other Articles— | | | | | | | | | | | | | | | | | | | | |
| Arms, Ammunition, &c. (excluding Military accoutrements) ... ... ... Val. | .. | ... | ... | ... | .. | 43 | ... 1 | 146 | ... | 50 | ... | ... | ... | ... | ... | ... | .. | 5,244 | | 14,425 |
| Books and printed matter ... ... .. Cwt. | ... | ... | ... | ... | 14 | 876 | 1 | 97 | ... | ... | ... | ... | ... | ... | ... | ... | 74 | 5,555 | 21 | 2,266 |
| Building and Engineering Materials— | | | | | | | | | | | | | | | | | | | | |
| Cement ... ... .. ... ... ... Cwt. | .. | .. | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 455 | 1,692 | 669 | 2,260 |
| Other sorts ... ... ... ... ... Val. | ... | ... | ... | ... | .. | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4,698 | | 4,163 |
| Cabinetware and furniture ... ... ... ,, | ... | ... | ... | ... | ... | 435 | ... | 473 | ... | ... | ... | ... | ... | ... | ... | ... | . | 19,614 | .. | 20,587 |
| Candles of all sorts ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,247 | 451 | 73 | 39 |
| Carriages, carts, &c. (excluding Railway carriages and parts thereof) ... ... Val. | .. | . | .. | ... | .. | 121 | ... | 40,841 | ... | ... | ... | ... | ... | ... | ... | ... | | 6,040 | . | 12,584 |
| Clocks and watches ... ... ... ... No. | ... | ... | ... | ... | 2 | 30 | 7 | 95 | ... | ... | ... | ... | ... | ... | ... | ... | 261 | 4,797 | 180 | 2,935 |
| Earthenware and porcelain ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 | ... | 13 | ... | ... | ... | 6,602 | ... | 3,647 |
| Fire-works ... ... ... ... ... ,, | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 555 | ... | 1,746 |
| Glass and Glassware— | | | | | | | | | | | | | | | | | | | | |
| Beads and false pearls ... ... ... Cwt. | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | lb. 16 | 92 | 8 | 1,219 |
| Other ware ... ... ... ... Val. | ... | ... | ... | ... | . | 783 | ... | 308 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3,359 | | 6,279 |
| Instruments and appartus (of all kinds). ,, | ... | ... | ... | ... | ... | 1,734 | ... | 812 | ... | 10 | ... | ... | ... | .. | ... | ... | ... | 4,942 | | 9,546 |
| Ivory, manufactured ... ... ... ,, | ... | ... | ... | ... | . | .. | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | | | ... |
| Jewellery (excluding precious stones and pearls, unset) ... ... ... ... ,, | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | | 27,038 | | 36,154 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leather and Manufactures of Leather— | | | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | | |
| Saddlery and harness ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | 190 | ... | 30 | ... | ... | ... | ... | ... | ... | ... | 131 | ... | | 468 |
| Other sorts ... ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,127 | . | | 1,957 |
| Matches ... ... ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 17,072 | | | 11,392 |
| Paints and colours and painters' materials | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | .. | 1,872 | | | 2,624 |
| Paper and pasteboard ... ... ... ... | ,, | ... | .. | ... | ... | ... | 700 | ... | 1,665 | ... | ... | ... | ... | ... | ... | ... | . | ... | 761 | | | 376 |
| Soap ... ... ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | lb. 20 | 26 | ... | ... | ... | ... | ... | ... | ... | | 6 | 636 | 37 | | 546 |
| Stationery ... ... ... ... ... ... | Val. | ... | ... | ... | ... | ... | 227 | ... | 67 | ... | ... | ... | ... | ... | ... | ... | . | ... | 4,510 | | | 5,148 |
| Toys and requisites for games ... ... | ,, | ... | ... | ... | ... | ... | 86 | ... | 13 | ... | ... | ... | ... | ... | .. | ... | . | ... | 2,560 | .. | | 6,254 |
| Umbrellas ... ... ... ... ... ... | No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 2,577 | 5,905 | 3,725 | | 8,316 |
| Wood—manufactures of ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | .. | 41,211 | | | 31,971 |
| Articles imported by post (not specified) | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 107 | | | 843 |
| All other articles, unenumerated ... ... | ,, | ... | ... | ... | ... | ... | 74 | ... | 100 | ... | 10 | ... | ... | ... | 804 | ... | 56 | . | 60,596 | | | 64,897 |
| Total value of Other Articles ... | | ... | ... | ... | ... | ... | 5,159 | ... | 44,533 | ... | 100 | ... | 20 | ... | 817 | ... | 56 | . | 2,26,567 | | | 2,52,822 |
| Total value of Articles Manufactured and partly Manufactured ... ... ... ... | | ... | ... | ... | ... | ... | 5,917 | ... | 46,076 | ... | 100 | ... | 20 | ... | 817 | ... | 56 | . | 9,38,266 | . | | 9,59,794 |
| Merchandise ... { Free ... ... ... ... | Val. | ... | ... | ... | ... | ... | 4,401 | ... | 2,440 | ... | 100 | ... | ... | ... | ... | . | | | 8,83,636 | | | 7,50,641 |
| { Dutiable ... ... ... ... | ,, | ... | ... | ... | ... | ... | 28,614 | ... | 1,22,705 | ... | 535 | ... | 360 | ... | 11,934 | .. | 5,039 | . | 30,40,763 | . | | 28,34,842 |
| Total ... | | ... | ... | ... | ... | ... | 33,015 | ... | 1,25,145 | ... | 635 | ... | 360 | ... | 11,934 | .. | 5,039 | ... | 39,24,399 | . | | 35,85,483 |
| Treasure ... { Gold ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | 19,329 | ... | | 22,428 |
| { Silver ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | 27,47,815 | .. | | 11,96,225 |
| Total ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | | 27,67,344 | .. | | 12,20,653 |
| Grand total of Imports of Merchandise and Treasure ... ... ... | Val. | ... | ... | ... | ... | ... | 33,015 | ... | 1,25,145 | ... | 635 | ... | 360 | ... | 11,934 | ... | 5,039 | | 66,91,743 | | | 48,06,136 |
| Government ... { Stores ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | 36,162 | | | 1,103 |
| { Treasure— | | | | | | | | | | | | | | | | | | | | | | |
| { Gold ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | | |
| { Silver ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | . | | .. | | |
| { Total, Treasure ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | .. | | | .. | | |
| { Total, Stores and Treasure ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | 36,162 | . | | 1,103 |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | China. | | | | Japan. | | | | Persia. | | | | Straits Settlements. | | | | Turkey in Asia. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 |
| | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| VII. Articles Manufactured and partly Manufactured—*cont.* | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics—*cont.* | | | | | | | | | | | | | | | | | | | | |
| Wool— | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... Yds. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | 820 | 1,000 | 890 | 1,056 | .. | .. | | |
| Other sorts ... ... ... ... Val. | ... | ... | ... | ... | ... | 140 | ... | . | ... | ... | .. | ... | ... | 218 | ... | 774 | ... | | | |
| All other articles, unenumerated ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8,630 | ... | 4,805 | .. | . | | |
| Total value of Yarns and Textile Fabrics ... | ... | 263 | ... | 2,501 | ... | 5,774 | ... | 3,874 | ... | ... | ... | ... | ... | 2,52,607 | ... | 3,72,610 | .. | | . | |
| B. Apparel (including Haberdashery, Millinery, &c.)— | | | | | | | | | | | | | | | | | | | | |
| Apparel including drapery, haberdashery, millinery, uniforms, accoutrements, but excluding hosiery ... Val. | ... | 3,651 | ... | 4,461 | ... | 90 | ... | 245 | ... | ... | .. | ... | ... | 38,273 | ... | 42,752 | .. | | | |
| Boots and shoes ... ... ... ... Pairs | 16 | 28 | 20 | 30 | .. | ... | ... | .. | ... | ... | ... | ... | 2,105 | 3,183 | 2,774 | 3,948 | ... | . | ... | |
| Total value of Apparel, &c. ... | ... | 3,679 | ... | 4,500 | .. | 90 | ... | 245 | ... | ... | ... | ... | ... | 41,456 | ... | 46,700 | ... | . | .. | .. |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | |
| Arms, Ammunition, &c. (excluding Military accoutrements) ... ... ... Val. | ... | .. | ... | 50 | .. | ... | .. | . | ... | ... | ... | ... | ... | ... | ... | 250 | . | . | . | |
| Books and printed matter ... ... ... Cwt. | ... | ... | 1 | 100 | ... | ... | ... | ... | ... | ... | ... | ... | lb. 56 | 100 | 1 | 105 | . | ... | .. | |
| Building and Engineering Materials— | | | | | | | | | | | | | | | | | | | | |
| Cement ... ... ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 | 51 | 58 | 213 | ... | ... | ... | .. |
| Other sorts ... ... ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 56 | ... | 132 | ... | ... | . | . |
| Cabinetware and furniture ... ... ... ,, | ... | 37 | ... | 17 | ... | 2,491 | ... | 680 | ... | ... | ... | ... | ... | 8,680 | ... | 10,086 | ... | ... | ... | ... |
| Candles of all sorts ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 509 | 240 | 523 | 253 | ... | .. | ... | . |
| Carriages, carts, &c. (excluding Railway carriages and parts thereof) ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | 157 | ... | ... | ... | ... |
| Clocks and watches ... ... ... ... No. | ... | ... | 1 | 91 | ... | ... | ... | ... | ... | ... | ... | ... | 80 | 1,235 | 295 | 1,814 | ... | ... | ... | ... |
| Earthenware and porcelain ... ... ... Val. | ... | 186 | ... | 225 | ... | 835 | ... | ... | ... | 3 | ... | ... | ... | 8,134 | ... | 5,929 | .. | ... | ... | .. |
| Fire-works ... ... ... ... ... ... ,, | ... | 22,201 | ... | 25,201 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,26,258 | ... | 30,808 | ... | ... | ... | |
| Glass and Glassware— | | | | | | | | | | | | | | | | | | | | |
| Beads and false pearls ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 345 | ... | ... | ... | ... | ... | ... |
| Other ware ... ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4,573 | ... | 5,571 | ... | ... | ... | . |
| Instruments and apparatus (of all kinds). ,, | ... | 198 | ... | 351 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,979 | ... | 250 | ... | ... | ... | ... |
| Ivory, manufactured ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... |
| Jewellery (excluding precious stones and pearls, unset) ... ... ... ... ... ,, | ... | 79 | ... | 859 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11,433 | ... | 13,080 | ... | ... | ... | ... |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leather and Manufactures of Leather— | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saddlery and harness ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other sorts ... ... ... ... ... | ,, | ... | ... | ... | ... | ... | 154 | ... | 362 | ... | ... | ... | ... | ... | ... | 190 | ... | 250 | ... | ... | ... | ... | ... | ... | ... |
| Matches ... ... ... ... ... ... | ,, | ... | ... | ... | ... | ... | 53,710 | ... | 52,642 | ... | ... | ... | ... | ... | ... | 17 | ... | 9 | ... | ... | ... | ... | ... | ... | ... |
| Paints and colours and painters' materials. | ,, | ... | ... | ... | 1,120 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,674 | ... | 3,281 | ... | ... | ... | ... | ... | ... | ... |
| Paper and pasteboard ... ... ... ... | ,, | ... | 1,227 | ... | 963 | ... | 15 | ... | 322 | ... | ... | ... | ... | ... | ... | 1,496 | ... | 2,759 | ... | ... | ... | ... | ... | ... | ... |
| Soap ... ... ... ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 54 | ... | 4,409 | ... | ... | ... | ... | ... | ... | ... |
| Stationery ... ... ... ... ... ... | Val. | ... | 47 | ... | 76 | ... | 2,314 | ... | 244 | ... | ... | ... | ... | ... | 3 | 261 | lb. 425 | 151 | ... | ... | ... | ... | ... | ... | ... |
| Toys and requisites for games ... ... | ,, | ... | ... | ... | 28 | ... | 669 | ... | 5 | ... | ... | ... | ... | ... | ... | 345 | ... | 383 | ... | ... | ... | ... | ... | ... | ... |
| Umbrellas ... ... ... ... ... ... | No. | ... | ... | ... | ... | ... | ... | 36 | 216 | ... | ... | ... | ... | ... | 1,759 | 2,969 | ... | 2,987 | ... | ... | ... | ... | ... | ... | ... |
| Wood—manufactures of ... ... ... | Val. | ... | 3 | ... | 32 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,939 | 2,418 | 2,874 | ... | ... | ... | ... | ... | ... | ... |
| Articles imported by post (not specified)... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3,634 | ... | 7,461 | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... ... | ,, | ... | 2,182 | ... | 1,462 | ... | 492 | ... | 5,366 | ... | 1,805 | ... | 4,784 | ... | ... | 40 | ... | 75 | ... | ... | ... | ... | ... | ... | ... |
| Total value of Other Articles ... | | ... | 26,180 | ... | 30,575 | ... | 60,680 | ... | 59,840 | ... | 1,808 | ... | 4,784 | ... | ... | 35,820 | ... | 43,181 | ... | 4,367 | ... | 258 | ... | 258 | ... |
| | | ... | 26,180 | ... | 30,575 | ... | 60,680 | ... | 59,840 | ... | 1,808 | ... | 4,784 | ... | ... | 2,10,625 | ... | 1,36,448 | ... | 4,367 | ... | 258 | ... | 258 | ... |
| Total value of Articles Manufactured and partly Manufactured ... ... ... | | ... | 30,122 | ... | 37,576 | ... | 66,544 | ... | 63,959 | ... | 1,808 | ... | 4,784 | ... | ... | 5,04,688 | ... | 5,55,758 | ... | 4,367 | ... | 248 | ... | 248 | ... |
| Merchandise ... Free ... ... ... ... | Val. | ... | ... | ... | 100 | ... | 552 | ... | ... | ... | ... | ... | ... | ... | ... | 59,601 | ... | 97,507 | ... | ... | ... | ... | ... | ... | ... |
| Merchandise ... Dutiable ... ... ... | ,, | ... | 49,303 | ... | 53,023 | ... | 1,27,139 | ... | 1,00,346 | ... | 18,179 | ... | 37,523 | ... | ... | 27,41,286 | ... | 27,31,907 | ... | 1,41,419 | ... | 39,349 | ... | 39,349 | ... |
| Total ... | | ... | 49,303 | ... | 53,123 | ... | 1,27,691 | ... | 1,00,346 | ... | 18,179 | ... | 37,523 | ... | ... | 28,00,887 | ... | 28,29,414 | ... | 1,41,419 | ... | 39,349 | ... | 39,349 | ... |
| Treasure ... Gold ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11,339 | ... | 7,215 | ... | ... | ... | ... | ... | ... | ... |
| Treasure ... Silver ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 55,518 | ... | 65,523 | ... | ... | ... | ... | ... | ... | ... |
| Total ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 66,857 | ... | 72,738 | ... | ... | ... | ... | ... | ... | ... |
| Grand total of Imports of Merchandise and Treasure ... ... ... | Val. | ... | 49,303 | ... | 53,123 | ... | 1,27,691 | ... | 1,00,346 | ... | 18,179 | ... | 37,523 | ... | ... | 28,67,744 | ... | 29 02,152 | ... | 1,41,419 | ... | 39,349 | ... | 39,349 | ... |
| Government. Stores ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 14,204 | ... | ... | ... | ... | ... | ... | ... |
| Government. Treasure— Gold ... ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Government. Treasure— Silver ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Government. Total, Treasure ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Government. Total, Stores and Treasure ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 14,204 | ... | ... | ... | ... | ... | ... | ... |

(52)—*Statement showing the quantities and value of the principal and other articles of merchandise and value of treasure imported from foreign countries into the Presidency of Madras during the two official years* 1897–98 *and* 1898–99—continued.

| Articles. | Other countries in Asia. | | | | Victoria. | | | | Other countries. | | | | Total. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897–98. | | 1898–99. | | 1897–98. | | 1898–99. | | 1897–98. | | 1898–99. | | 1897–98. | | 1898–99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 |
| | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| VII. Articles Manufactured and partly Manufactured—*cont.* | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics—*cont.* | | | | | | | | | | | | | | | | |
| Wool— | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... ... ... Yds. | ... | ... | ... | .. | ... | ... | .. | . | ... | ... | .. | ... | 337,400 | 3,50,051 | 410 023 | [illegible] |
| Other sorts ... ... ... ... ... Val. | ... | ... | ... | ... | .. | ... | ... | . | .. | 11 | ... | | | 64,178 | | [illegible] |
| All other articles, unenumerated ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | 4,54,150 | | [illegible] |
| Total value of Yarns and Textile Fabrics ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | 11 | ... | ... | ... | 2,95,14 901 | | [illegible] |
| B. Apparel (including Haberdashery, Millinery, &c.)— | | | | | | | | | | | | | | | | |
| Apparel including drapery, haberdashery, millinery, uniforms, accoutrements, but excluding hosiery ... Val. | ... | ... | ... | ... | ... | 1,293 | ... | 1,574 | ... | 773 | .. | 1,214 | . | 18,18,154 | | [illegible] |
| Boots and shoes ... ... ... ... Pairs | ... | ... | ... | ... | 2 | 15 | 6 | 52 | 10 | 90 | 5 | 26 | 16,752 | 62,611 | 24,248 | [illegible] |
| Total value of Apparel, &c. ... | ... | ... | ... | ... | ... | 1,308 | ... | 1,626 | ... | 863 | ... | 1,240 | | 18,80,765 | | [illegible] |
| C. Other Articles— | | | | | | | | | | | | | | | | |
| Arms, Ammunition, &c. (excluding Military accoutrements) ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | 105 | ... | ... | ... | . | ... | 10,33,651 | . | [illegible] |
| Books and printed matter ... ... ... Cwt. | ... | ... | ... | ... | 1 | 25 | ... | .. | ... | ... | .. | . | 986 | 1,82,167 | 1,037 | [illegible] |
| Building and Engineering Materials— | | | | | | | | | | | | | | | | |
| Cement ... ... ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 90,100 | 1,96,933 | 74,525 | 1,70,601 |
| Other sorts ... ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 47,352 | | [illegible] |
| Cabinetware and furniture ... ... ... ,, | ... | ... | ... | ... | ... | 104 | ... | 73 | ... | 146 | ... | 46 | . | [illegible] | | [illegible] |
| Candles of all sorts ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1,130,744 | 2,17,660 | 975,316 | [illegible] |
| Carriages, carts, &c. (excluding Railway carriages and parts thereof) ... ... Val. | ... | ... | ... | ... | ... | ... | ... | 650 | ... | ... | ... | ... | . | 4,52,893 | | [illegible] |
| Clocks and Watches ... ... ... ... No. | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | ... | 5,834 | 40,959 | 7,774 | [illegible] |
| Earthenware and Porcelain ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | 3 | ... | ... | ... | ... | . | 1,68,126 | ... | [illegible] |
| Fire-works ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . | 1,30,577 | | [illegible] |
| Glass and Glassware— | | | | | | | | | | | | | | | | |
| Beads and false pearls ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 1,526 | 1,47,305 | 611 | [illegible] |
| Other ware ... ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | .. | 131 | ... | [illegible] | | [illegible] |
| Instruments and apparatus (of all kinds) ... ,, | ... | ... | ... | ... | ... | 60 | ... | 76 | ... | 15 | ... | 2 | ... | [illegible] | . | [illegible] |
| Ivory, manufactured ... ... ... ... ,, | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | [illegible] |
| Jewellery (excluding precious stones and pearls, unset) ... ... ... ... ,, | ... | ... | ... | ... | ... | 526 | ... | 239 | ... | 114 | ... | 624 | ... | 58,801 | .. | 1,47,024 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leather and manufactures of Leather— | | | | | | | | | | | | | | | | |
| Unwrought ... ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . |
| Manufactures— | | | | | | | | | | | | | | | | |
| Saddlery and harness ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | 190 | ... | 60 | ... | ... | .. | 34,855 | ... | 27,798 |
| Other sorts ... ... ... ... ,, | ... | ... | ... | ... | ... | 144 | ... | 15 | ... | 15 | ... | 11 | | 86,714 | . | 67,0[illegible]4 |
| Matches .. ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,16,604 | ... | 1,92,448 | . | 3,88,577 | | 3,5[illegible] |
| Paints and colours and painters' materials ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,91,297 | ... | 2,56,321 |
| Paper and pasteboard ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | 950 | ... | 4 | ... | 4,04,441 | .. | 4,7[illegible],570 |
| Soap ... ... ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | lb. 3 | 7 | ... | ... | 3,461 | 1,00,253 | 3,509 | 94,553 |
| Stationery ... ... ... ... ... Val. | ... | ... | ... | ... | ... | 4 | ... | 47 | ... | 66 | ... | 140 | ... | 4,59,044 | .. | 4,18,570 |
| Toys and requisites for games ... ... ,, | ... | ... | ... | ... | ... | 113 | ... | 86 | ... | 31 | ... | 99 | ... | 1,76,688 | ... | 1,71,726 |
| Umbrellas ... ... ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 70,966 | 74,343 | 58,403 | 63,533 |
| Wood—manufactures of ... ... ... Val. | ... | 2,728 | ... | ... | ... | ... | ... | 420 | ... | ... | ... | 2 | ... | 60,066 | ... | 53,336 |
| Articles imported by post (not specified). ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | .. | ... | 152 | .. | 933 |
| All other articles, unenumerated ... ... ,, | ... | 366 | ... | 76 | ... | 151 | ... | 178 | ... | 1,283 | ... | 438 | .. | 5,26,942 | ... | 5,63,526 |
| Total value of Other Articles ... | ... | 3,094 | ... | 76 | ... | 1,128 | ... | 2,082 | ... | 2,19,304 | ... | 1,93,946 | ... | 60,59,[illegible]75 | . | 60,86,608 |
| Total value of Articles Manufactured and partly Manufactured ... ... ... | ... | 3,094 | ... | 76 | ... | 2,436 | ... | 3,708 | ... | 2,20,178 | ... | 1,95,186 | ... | 3,74,55,701 | . | 2,95,29,109 |
| Merchandise ... Free ... ... ... Val. | ... | 89,011 | ... | 2,45,103 | ... | 3,39,855 | ... | 4,44,890 | ... | ... | ... | 29,788 | . | 1,78,67,434 | | 1,55,87,[illegible]83 |
| Merchandise ... Dutiable ... ... ... ,, | ... | 7,04,175 | ... | 2,40,766 | ... | 18,134 | ... | 20,690 | ... | 5,74,087 | ... | 3,07,010 | | 4,60,81,098 | | 3,9[illegible],85,2[illegible]6 |
| Total .. | ... | 7,93,186 | ... | 4,85,869 | ... | 3,57,989 | ... | 4,65,580 | ... | 5,74,087 | ... | 3,36,798 | ... | 6,[illegible],48,5[illegible]2 | . | 5,2[illegible],72,909 |
| Treasure ... Gold ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 6,50,877 | .. | 5,04,777 |
| Treasure ... Silver ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | 137 | ... | 306 | ... | 4 | ... | 28,70,6[illegible]5 | | 13,06,976 |
| Total ... | ... | ... | ... | ... | ... | ... | ... | 137 | ... | 306 | ... | 4 | .. | 35,01,572 | .. | 18,11,753 |
| Grand total of Imports of Merchandise and Treasure ... ... ... Val. | ... | 7,93,186 | ... | 4,85,869 | ... | 3,57,989 | ... | 4,65,717 | ... | 5,74,393 | ... | 3,36,802 | .. | 6,74,50,104 | ... | 5,44,84,662 |
| Government. Stores ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 60,91,212 | .. | 17,62,109 |
| Government. Treasure— | | | | | | | | | | | | | | | | |
| Government. Gold ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | |
| Government. Silver ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | . | |
| Government. Total, Treasure ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | |
| Government. Total, Stores and Treasure ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 60,91,212 | . | 17,62,109 |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99.

| Articles. | United Kingdom. | | | | Austria-Hungary. | | | | Belgium. | | | | France. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| FOREIGN MERCHANDISE. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| I. Animals, living ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| I. Articles of Food and Drink— | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| Provisions ... ... ... ... Val. | ... | 395 | ... | 702 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Spices ... ... ... ... lbs. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... |
| Sugar— | | | | | | | | | | | | | | | | |
| Refined or crystallised, including sugarcandy and confectionery ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. |
| Tea ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... |
| Other articles ... ... ... Val. | ... | 4,602 | ... | 347 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | |
| Total value of Articles of Food and Drink... | ... | 4,997 | ... | 1,049 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | 10,809 | ... | 32,636 | ... | ... | ... | 50 | ... | 400 | ... | ... | ... | 63 | ... | .. |
| B. Metals— | | | | | | | | | | | | | | | | |
| Copper ... ... ... Cwt. | ... 12 | ... 120 | ... 13 | ... 320 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Iron ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... |
| Tin ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| Other metals, unenumerated ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| Total of Metals ,, | 12 | 120 | 13 | 320 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. |
| C. Machinery and millwork ... Val. | ... | 3,357 | ... | 190 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | ... |
| Total value of Metals and Manufactures of. | ... | 14,286 | ... | 33,146 | ... | ... | ... | 50 | ... | 400 | ... | ... | ... | 63 | ... | . |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | 795 | ... | 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Drugs, medicines and narcotics, dyeing and tanning materials ... ... ... ,, | ... | 4,009 | ... | 1,966 | ... | ... | ... | ... | ... | 3,786 | ... | 644 | ... | ... | .. | ... |
| Total value of Chemicals, Drugs, Medicines, &c. ... | ... | 4,804 | ... | 1,976 | ... | ... | ... | ... | ... | 3,786 | ... | 644 | ... | ... | .. | ... |
| V. Oils— | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| Other kinds of oils ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total of Oils ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| VI. Raw Materials and Unmanufactured articles— | | | | | | | | | | | | | | | | |
| Gums and resins ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ivory ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shells and cowries ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Silk ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | ... | ... | ... |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wool ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total value of Raw Materials, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... lb. | 50,405 | 36,258 | 15,440 | 7,572 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manufactures— | | | | | | | | | | | | | | | | | |
| Piece-goods— | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... Yds. | ... | ... | 2,200 | 378 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| White ... ... ... ,, | ... | ... | 240 | 55 | ... | ... | ... | ... | . | ... | ... | ... | .. | | | . | . |
| Coloured ... ... ... ,, | 640 | 92 | 2,000 | 250 | ... | ... | ... | ... | .. | ... | ... | ... | . | . | | | |
| Other sorts of manufactures. Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | | . | |
| Silk piece-goods, pure and mixed ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | | |
| Woollen goods ... ... ... ,, | ... | ... | ... | 333 | ... | ... | ... | ... | | ... | ... | | ... | | | | . |
| All other articles, unenumerated ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | |
| Total value of Yarns and Textile Fabrics ... | ... | 36,345 | ... | 8,588 | .. | ... | ... | ... | .. | ... | ... | .. | ... | | | | |
| B. Apparel— | | | | | | | | | | | | | | | | | |
| Apparel ... ... ... ... Val. | ... | 56,231 | ... | 52,946 | ... | ... | ... | 400 | . | 600 | | . | | 1,885 | | | |
| Boots and shoes ... ... Pairs | 494 | 1,581 | 61 | 665 | ... | ... | ... | ... | ... | ... | | . | | | | | |
| Total value of Apparel ... | ... | 57,812 | ... | 53,611 | ... | ... | ... | 400 | ... | 600 | ... | | | 1,885 | | | |
| C. Other Articles— | | | | | | | | | | | | | | | | | |
| Glass and glassware ... ... Val. | ... | 3,348 | ... | 3,337 | ... | ... | ... | 50 | . | | | .. | | | | | |
| All other articles, unenumerated ... ... ... ,, | .. | 1,08,827 | ... | 80,714 | ... | 166 | ... | 3,090 | | . | | | | 1,770 | | | |
| Total value of other Articles ... | ... | 1,12,175 | ... | 84,051 | ... | 166 | ... | 3,140 | . | . | | | | 1,750 | | | |
| Total value of Articles Manufactured and partly Manufactured ... | ... | 2,06,332 | ... | 1,46,250 | ... | 166 | ... | 3,540 | | 600 | | | | 3,785 | | | |
| Total of Foreign Merchandise ... | ... | 2,20,419 | ... | 1,82,421 | ... | 166 | ... | 3,590 | .. | 4,786 | | 644 | | 5,648 | | | |
| INDIAN PRODUCE AND MANUFACTURES. | | | | | | | | | | | | | | | | | |
| I. Animals, living ... ... ... No. | 1 | 100 | 3 | 1,500 | ... | ... | ... | .. | ... | .. | ... | | | | | | |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | 113,864 | 83,45,488 | 155,226 | 1,13,58,091 | 5,279 | 3,78,417 | 9,159 | 6,74,628 | 6,688 | 4,30,333 | 5,142 | 2,78,554 | 76,853 | 7,21,950 | 8,748 | | 42,64,675 |
| Fruits and vegetables ... ... Val. | ... | 41,227 | ... | 47,465 | ... | ... | ... | ... | ... | 32,400 | | 10,000 | | | | | 22,605 |
| Grain and Pulse— | | | | | | | | | | | | | | | | | |
| Gram ... ... ... ... Cwt. | ... | ... | 75 | 240 | ... | ... | ... | ... | . | . | | | | | | | |
| Jowar and bajra ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | | | | | | |
| Pulse ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| Rice in the husk ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | | |
| Rice not in the husk ... ... ,, | ... | ... | ... | ... | lb. 40 | 3 | ... | .. | .. | | | | | | | | |
| Wheat ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | | | | | | | |
| Wheat flour ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | | .. | | | | | | | |
| Other sorts ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | . | | . | | | | | | | |
| Provisions ... ... ... ... Val. | ... | 1,81,542 | ... | 1,59,657 | ... | 146 | ... | 128 | ... | | | 50 | | 415 | | | 525 |
| Spices ... ... ... ... lb. | 4,707,869 | 9,57,836 | 7,403,134 | 15,76,357 | 425,600 | 90,200 | 1,252,500 | 3,30,930 | 42,644 | 7,05 | | | 3,89,500 | 6,59,162 | 505 446 | | 1,42,189 |
| Sugar ... ... ... ... Cwt. | 447,069 | 18,86,424 | 253,699 | 12,27,821 | .. | ... | ... | | | | 3,000 | 17 267 | | | | | |
| Tea ... ... ... ... ... lb. | 3,204,523 | 24,49,965 | 3,540,944 | 24,91,204 | 2,479 | 1,559 | 1,638 | 1,910 | ... | | 150 | 150 | 1,152 | 1,159 | 2 709 | | 2,869 |
| Other articles, unenumerated... Val. | ... | 11 | ... | ... | . | ... | ... | ... | ... | | . | | | | | | |
| Total value of Articles of Food and Drink ... ... ... ... ... | ... | 1,38,53,493 | ... | 1,68,60,835 | .. | 4,70,325 | .. | 10,07,596 | ... | 4,69,783 | . | 3,34,127 | | 54,65,677 | | | 44 62,865 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | 1,619 | ... | 4,789 | ... | 7 | | ... | . | | | | .. | | | | |
| B. Metals ... ... ... ... Cwt. | 1,086,160 | 4,38,282 | 1,088,985 | 4,22,819 | ... | . | . | . | | | | | | | | | |
| C. Machinery and millwork ... Val. | ... | 100 | ... | 30 | ... | ... | .. | ... | . | ... | | | | | | | |
| Total value of Metals and Manufactures of ... ... ... ... | ... | 4,40,001 | ... | 4,27,588 | ... | 7 | ... | ... | ... | ... | ... | | .. | .. | . | | |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | Germany. | | | | Holland. | | | | Italy. | | | | Malta. | | | | Portugal. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| FOREIGN MERCHANDISE. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| I. Animals, living ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | .. | . | . | |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | |
| Provisions ... ... ... ... Val. | ... | ... | ... | 170 | ... | ... | ... | 375 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | |
| Spices ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... |
| Sugar— | | | | | | | | | | | | | | | | | | | | |
| Refined or crystallised, including sugarcandy and confectionery ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | |
| Tea ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . |
| Other articles ... ... ... Val. | ... | ... | ... | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . |
| Total value of Articles of Food and Drink... | ... | ... | ... | 177 | ... | ... | ... | 375 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| B. Metals— | | | | | | | | | | | | | | | | | | | | |
| Copper ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| Iron ... ... ... ... ,, | ... | ... | 1 | 25 | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | .. | .. |
| Tin ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | .. | .. | ... | .. |
| Other metals, unenumerated ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| Total of Metals ,, | ... | ... | 1 | 25 | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| C. Machinery and millwork ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total value of Metals and Manufactures of. | ... | ... | ... | 25 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... |
| Drugs, medicines and narcotics, dyeing and tanning materials ... ... ... ,, | ... | ... | .. | 336 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total value of Chemicals, Drugs, Medicines, &c. ... | ... | ... | ... | 336 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| V. Oils— | | | | | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... Gals. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... |
| Other kinds of oils ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total of Oils ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| VI. Raw Materials and Unmanufactured articles— | | | | | | | | | | | | | | | | | | | | |
| Gums and resins ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ivory ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shells and cowries ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Silk ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wool ... ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total value of Raw Materials, &c. ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | .. | . | | | | ... |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods— | | | | | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... | Yds. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | .. | | . | |
| White ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | . | . |
| Coloured ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | . | | . | .. |
| Other sorts of manufactures | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | ... | . | ... |
| Silk piece-goods, pure and mixed ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | ... |
| Woollen goods ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | | . | |
| All other articles, unenumerated ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | | . | |
| Total value of Yarns and Textile Fabrics .. | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . | . | | | | ... |
| B. Apparel— | | | | | | | | | | | | | | | | | | | | | |
| Apparel ... ... ... ... | Val. | ... | 432 | ... | | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | | .. | | . | | .. |
| Boots and shoes ... ... | Pairs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | | | | | | | |
| Total value of Apparel ... | | ... | 432 | ... | 72 | ... | ... | .. | ... | ... | ... | ... | .. | ... | | .. | . | . | | | . |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | | |
| Glass and glassware ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | . | | | | | |
| All other articles, unenumerated ... ... ... | ,, | ... | ... | ... | 200 | ... | ... | ... | ... | ... | 1,125 | ... | 30 | | | . | . | | | | .. |
| Total value of other Articles ... | | ... | ... | ... | 200 | ... | ... | ... | ... | ... | 1,125 | ... | 30 | ... | . | | . | | | . | |
| Total value of Articles Manufactured and partly Manufactured ... | | ... | 432 | ... | 272 | ... | ... | ... | ... | ... | 1,125 | ... | 30 | . | ... | . | | | | . | . |
| Total of Foreign Merchandise ... | | ... | 432 | ... | 810 | ... | ... | ... | 375 | ... | 1,125 | ... | 30 | ... | ... | .. | . | . | | . | .. |
| INDIAN PRODUCE AND MANUFACTURES. | | | | | | | | | | | | | | | | | | | | | |
| I. Animals, living ... ... ... | No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | ... | .. | | | | | . |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... | Cwt. | 2,657 | 1,64,910 | 5,524 | 3,78,213 | ... | ... | ... | ... | 100 | 5,628 | 401 | 20,100 | .. | .. | . | | . | | | . |
| Fruits and vegetables ... ... | Val. | ... | 2,25,646 | ... | 4,43,788 | ... | ... | ... | ... | ... | ... | ... | . | | . | | | | | | |
| Grain and Pulse— | | | | | | | | | | | | | | | | | | | | | |
| Gram ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | . | .. |
| Jowar and bajra ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | .. | .. | | | | . | . |
| Pulse ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | . | | | | . | . |
| Rice in the husk ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | .. | . | | . | | . | .. |
| Rice not in the husk ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | . | | | | |
| Wheat ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | | . | | | | . |
| Wheat flour ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | | |
| Other sorts ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| Provisions ... ... ... ... | Val. | ... | 1,228 | ... | 3,614 | ... | ... | ... | ... | ... | 8,691 | ... | 18,228 | | | | | | | | |
| Spices ... ... ... ... | lb. | 1,803,854 | 3,49,179 | 1,787,372 | 5,00,983 | ... | ... | 56,000 | 16,500 | 537,600 | 1,12,750 | 1,325,688 | 373,945 | | . | | | | | | |
| Sugar ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | | | | | |
| Tea ... ... ... ... ... | lb. | 1,520 | 1,563 | 400 | 00 | ... | ... | ... | ... | 1,400 | 1,400 | 1,700 | 1,800 | | . | 14 | 19 | | | | |
| Other articles, unenumerated... | Val. | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | . | .. | . | | | | | | |
| Total value of Articles of Food and Drink ... ... ... ... | | ... | 7,42,526 | ... | 13,27,098 | ... | ... | ... | 16,500 | ... | 1,28,469 | ... | 4,14,073 | ... | .. | | 19 | | ... | | |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... | Val. | ... | 25 | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | . | | . | | | | |
| B. Metals ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | .. | . | | | | | | |
| C. Machinery and millwork ... | Val. | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | .. | | . | ... | | | | | | |
| Total value of Metals and Manufactures of ... ... ... ... | | ... | 25 | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | | | | | | . |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of ware exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | Russia. | | | | Spain. | | | | Mozambique. | | | | Zanzibar. | | Egypt. | | | | | | Mauritius. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898 99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898 99. | | 1897-98. | | 1898 99. | | 1897-98. | | 1898 99. | | 1897 98. | | 1898 99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q | V |
| | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 |
| FOREIGN MERCHANDISE. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. |
| I. Animals, living ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | .. | . | | . |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | | .. | . | | | | | | |
| Provisions ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | | | . | | | |
| Spices ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | ... | . | | | | | |
| Sugar— | | | | | | | | | | | | | | | | | | | | | | | | |
| Refined or crystallised, including sugarcandy and confectionery ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | | | | | . |
| Tea ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | . | | | | .. | | |
| Other articles ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | .. | | | | |
| Total value of Articles of Food and Drink ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | . | ... | | | | | . |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | | | . | .. | |
| B. Metals— | | | | | | | | | | | | | | | | | | | | | | | | |
| Copper ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | . | | |
| Iron ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | | |
| Tin ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | |
| Other metals, unenumerated ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | | |
| Total of Metals ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | | | | | | | |
| C. Machinery and millwork ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | ... | | ... | | | |
| Total value of Metals and Manufactures of. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | | | . | ... | | |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | 656 | | . | | |
| Drugs, medicines and narcotics, dyeing and tanning materials ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | . | . | | . |
| Total value of Chemicals, Drugs, Medicines, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 656 | ... | ... | .. | |
| V. Oils— | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | . | . | ... | .. | .. | .. |
| Other kinds of oils ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | |
| Total of Oils ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | . | .. | . |
| VI. Raw Materials and Unmanufactured articles— | | | | | | | | | | | | | | | | | | | | | | | | |
| Gums and resins ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... |
| Ivory ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shells and cowries ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Silk ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wool ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . . |
| Total value of Raw Materials, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... Yds. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | . . | |
| White ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,260 | 452 | ... | ... | ... | ... | ... | ... | ... | | | |
| Coloured ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 28,695 | 10,217 | ... | ... | ... | ... | ... | ... | ... | . . | . | . |
| Other sorts of manufactures. Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| Silk piece-goods, pure and mixed ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| Woollen goods ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,810 | ... | ... | ... | ... | ... | ... | ... | | | |
| All other articles, unenumerated ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | |
| Total value of Yarns and Textile Fabrics ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12,479 | ... | ... | ... | ... | ... | ... | ... | | | . |
| B. Apparel— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apparel ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | 1,540 | ... | ... | | | | | |
| Boots and shoes ... ... ... Pairs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Total value of Apparel ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,540 | ... | . | ... | | | | |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glass and glassware ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . . | . | ... | | | | | |
| All other articles, unenumerated ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 70 | . | 200 | . | 214 | | | |
| Total value of Other Articles ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 70 | ... | 200 | ... | 214 | | | |
| Total value of Articles Manufactured and partly Manufactured ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12,479 | ... | 1,610 | . . | 200 | . | 214 | | | | |
| Total of Foreign Merchandise ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12,479 | . . | 2,266 | ... | 200 | | 214 | | | | |
| INDIAN PRODUCE AND MANUFACTURES. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I. Animals, living ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | . | ... | | | | | | |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | | | | 21 | 1,260 | | | | | |
| Fruits and vegetables ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | |
| Grain and Pulse— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gram ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | 20,200 | 1,04,488 | 3,252 | 14,877 | | | |
| Jowar and bajra ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | | . | 644 | 2,745 | 1,540 | 2,407 | | | |
| Pulse ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | ... | | | | | | | | |
| Rice in the husk ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | | | | | |
| Rice not in the husk ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | |
| Wheat ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | 30 | 240 | 31 | 240 | 77 | 500 | 650 | 4,305 | ... | . | | 6 | 42 | 68,019 | 3,75 592 | 129,597 | 6,44,763 | | | |
| Wheat flour ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | . | | | | | | | |
| Other sorts ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | . | | | | | | | |
| Provisions ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | .. | 331 | 1 356 | | | | | |
| Spices ... ... ... ... lb. | ... | ... | ... | ... | ... | 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 32,162 | | | 69,478 | | 727 | | 4,645 | | | |
| Sugar ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 69,941 | 23,069 | 103,325 | | 33,715 | 62,080 | 7,014 | 71,270 | 7,352 | | | |
| Tea ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 71,720 | 3,34,698 | | | | | | | | | | |
| Other articles, unenumerated... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 275 | 275 | 295 | | 210 | | | | | | | |
| Total value of Articles of Food and Drink ... ... ... ... | ... | ... | ... | ... | ... | 10 | ... | ... | ... | 240 | ... | 240 | ... | 500 | ... | 4,305 | ... | 3,90,204 | | | 1,03,425 | | 4,93,182 | | 6,77,044 | | | |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 95 | .. | | 4,090 | .. | | | 25 | | | |
| B. Metals ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | | | | | | | | | |
| C. Machinery and millwork ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | . | | | | | | |
| Total value of Metals and Manufactures of ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 95 | ... | | 4,090 | .. | .. | | 25 | | | |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | Réunion (Bourbon). | | | | United States. | | | | Aden. | | | | Arabia. | | | | Ceylon. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 |
| FOREIGN MERCHANDISE. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| I. Animals, living ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | 81 | 20,500 | 6 | 2,000 |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 180 | ... | ... |
| Provisions ... ... ... ... Val. | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12,573 | ... | 318 |
| Spices ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16,016 | 2,493 | 2,671 | 557 |
| Sugar— | | | | | | | | | | | | | | | | | | | | |
| Refined or crystallised, including sugarcandy and confectionery ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 18 | ... | ... | 1,125 | 13,125 | 3 | 60 |
| Tea ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | . . | . | |
| Other articles ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 1,200 | | 6,150 |
| Total value of Articles of Food and Drink ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 | ... | ... | ... | 29,571 | | 7 115 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | ... | ... | ... | ... | ... | ... | 500 | ... | ... | ... | ... | ... | ... | .. | .. | .. | 18,215 | | 0 999 |
| B. Metals— | | | | | | | | | | | | | | | | | | | | |
| Copper ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 55 | 2 308 | | |
| Iron ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30 | 240 | . | ... | 851 | 5,779 | 144 | 756 |
| Tin ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 1 | 67 | lb. 8 | 5 |
| Other metals, unenumerated ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 88 | 2,653 | | . |
| Total of Metals ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30 | 240 | ... | ... | 995 | 10,805 | 144 | 741 |
| C. Machinery and millwork ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 1,380 | | 5.710 |
| Total value of Metals and Manufactures of. | ... | ... | ... | ... | ... | ... | ... | 500 | ... | ... | ... | ... | ... | 240 | ... | ... | ... | 30,460 | | 15,760 |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 895 | ... | 1,210 |
| Drugs, medicines and narcotics, dyeing and tanning materials ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20,111 | . | 17,263 |
| Total value of Chemicals, Drugs, Medicines, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21,006 | . . | 18,473 |
| V. Oils— | | | | | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... ... Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 92 | 64 |
| Other kinds of oils ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total of Oils ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 92 | 64 |
| VI. Raw Materials and Unmanufactured articles— | | | | | | | | | | | | | | | | | | | | |
| Gums and resins ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 115 | 2,162 | 47 | 5 |
| Ivory ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shells and cowries ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | ... |
| Silk ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wool ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,054 | ... | 1,189 |
| Total value of Raw Materials, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4,216 | | 1,194 |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12,784 | 10,148 | 10,025 | 5,455 |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods— | | | | | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... Yds. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 235,465 | 43,066 | 179,378 | 29,205 |
| White ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 70,360 | 17,219 | 69,140 | 14,699 |
| Coloured ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 154,448 | 43,865 | 45,992 | 11,376 |
| Other sorts of Manufactures. Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,421 | ... | 516 |
| Silk piece-goods, pure and mixed ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 280 | ... | ... |
| Woollen goods ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8,364 | | |
| All other articles, unenumerated ... ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,24,563 | .. | 61 251 |
| Total value of Yarns and Textile Fabrics ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11,652 | | 2,258 |
| B. Apparel— | | | | | | | | | | | | | | | | | | | | | |
| Apparel ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | 2,335 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11,652 | | 2,258 |
| Boots and shoes ... ... ... Pairs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6,586 | . | 8,415 |
| Total value of Apparel ... | ... | ... | ... | ... | ... | ... | ... | 2,335 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 26 963 | | 20,001 |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | | |
| Glass and glassware ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 33,549 | .. | 28,416 |
| All other articles, unenumerated ... ... ... ,, | ... | ... | ... | ... | ... | 60 | ... | 1,945 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,69,564 | | 91,925 |
| Total value of other Articles ... | ... | ... | ... | ... | ... | 60 | ... | 1,945 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,75,317 | | 1,37 461 |
| Total value of Articles Manufactured and partly Manufactured ... | ... | ... | ... | ... | ... | 60 | ... | 4,280 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| Total of Foreign Merchandise ... | ... | ... | ... | ... | ... | 60 | ... | 4,780 | ... | ... | ... | ... | ... | 258 | ... | ... | ... | | | |
| INDIAN PRODUCE AND MANUFACTURES. | | | | | | | | | | | | | | | | | | | | | |
| I. Animals, living ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 168,725 | 9 57,017 | 165 576 | 8,[illegible] 644 |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | ... | 145 | 10,194 | 200 | 14,080 | ... | ... | ... | ... | 4,267 | 2,28,126 | 745 | 18,718 | 2,624 | 1 61,478 | 4,514 | 2 09 980 |
| Fruits and vegetables ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,220 | . | 1,040 | . | 5,94,345 | | 5 27,559 |
| Grain and Pulse— | | | | | | | | | | | | | | | | | | | | | |
| Gram ... ... ... ... Cwt. | ... | ... | 9,368 | 39,936 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | . | 14,220 | 64,731 | 9 047 | 35 748 |
| Jowar and bajra ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | . | . | 56 | 108 |
| Pulse ... ... ... ,, | ... | ... | 110 | 482 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 1 | 8 | 55,310 | 2 05 547 | 14,979 | 64,585 |
| Rice in the husk ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | 286,201 | 7,00,073 | 384,527 | 9 50 043 |
| Rice not in the husk ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | 8 | 50 | ... | .. | 6,168 | 39,927 | 1,867 | 12,362 | 2,418,108 | 1 5 [illegible] 784 | 1,226,599 | 61,27,961 |
| Wheat ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 344 | 2,897 | 65 | 386 |
| Wheat flour ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other sorts ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 140 | 11 | 140 | 8 | 6,505 | 516 | 5,740 | 499 |
| Provisions ... ... ... Val. | ... | ... | ... | ... | ... | ... | 100 | 476 | ... | ... | ... | ... | ... | ... | ... | ... | 931 | 3,792 | 230 | 1,478 |
| Spices ... ... ... ... lb. | ... | ... | ... | ... | ... | 460 | ... | 3,070 | ... | 1,468 | ... | 60 | ... | 10,793 | ... | 6,855 | ... | 14,67,700 | ... | 10,3 [illegible] 084 |
| Sugar ... ... ... ... Cwt. | ... | ... | ... | ... | 155,783 | 28,174 | 1,191,520 | 5,18,001 | 5,320 | 504 | 98,126 | 18,519 | 103,983 | 19,056 | 51,494 | 22,904 | 5,717,308 | 5,42,755 | [illegible] 841,785 | 7,04,503 |
| Tea ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 427 | 3,499 | 936 | 5,568 | ... | ... | 52,100 | 3,94,314 | 41,715 | 3 67,748 |
| Other articles, unenumerated. Val. | ... | ... | ... | ... | 54 | 71 | 400 | 400 | ... | ... | ... | ... | ... | ... | ... | ... | 18,021 | 10,[illegible]19 | 108,104 | 68 357 |
| Total value of Articles of Food and Drink ... ... ... | ... | ... | ... | 40,420 | ... | 38,899 | ... | 3,35,947 | ... | 2,022 | ... | 22,078 | ... | 3,05,301 | ... | 61,895 | | 1,61 38 978 | | 10,071 808 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 8 951 | | 5 922 |
| B. Metals ... ... ... ... Cwt. | ... | ... | ... | ... | 491,000 | 1,96,400 | 218,880 | 87,552 | ... | ... | ... | ... | ... | ... | ... | ... | 1,209 | 50,395 | 816 | 35,979 |
| C. Machinery and millwork ... Val. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | . | | 10 |
| Total value of Metals and Manufactures of ... ... ... ... | ... | ... | ... | ... | ... | 1,96,4 | ... | 87,552 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 59,946 | .. | 41,911 |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | China. | | | | Japan. | | | | Persia. | | | | Straits Settlements. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897 98. | | 1898-99. | | 1897 98. | | 1898 99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 |
| FOREIGN MERCHANDISE. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| I. Animals, living ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | | |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | 3 | 140 | | |
| Provisions ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | 8,394 | | |
| Spices ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | ... | 239 | 138 |
| Sugar— | | | | | | | | | | | | | | | | |
| Refined or crystallised, including sugarcandy and confectionery ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | ... | ... | ... | |
| Tea ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | |
| Other articles ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | . | . |
| Total value of Articles of Food and Drink... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 8,534 | | 138 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 996 | | 3,728 |
| B. Metals— | | | | | | | | | | | | | | | | |
| Copper ... .. ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | . | |
| Iron ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | .. | | |
| Tin ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | | |
| Other metals, unenumerated ... ... ... ,, | ... | ... | .. | .. | .. | ... | ... | ... | ... | .. | .. | ... | | | | ... |
| Total of Metals ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | | |
| C. Machinery and millwork ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | . | | 2,000 |
| Total Value of Metals and Manufactures of. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | 996 | | 5,728 |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 100 | .. | ... |
| Drugs, medicines and narcotics, dyeing and tanning materials ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | 1,435 | .. | 1,454 |
| Total value of Chemicals, Drugs, Medicines, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 1,535 | .. | 1,454 |
| V. Oils— | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | |
| Kerosine ... ... ...Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Other kinds of oils ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | |
| Total of Oils ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | |
| VI. Raw Materials and Unmanufactured articles— | | | | | | | | | | | | | | | | |
| Gums and resins ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... | ... | ... | ... | ... | ... |
| Ivory ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Shells and cowries ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Silk ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wool ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| Total value of Raw Materials, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,000 | 800 | 14,800 | 8,250 | |
| Manufactures— | | | | | | | | | | | | | | | | | |
| Piece-goods— | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... Yds. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 34,650 | 5,907 | 58,800 | 10,150 | |
| White ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 10,000 | 2,063 | 3,556 | 736 | |
| Coloured ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 110,387 | 27,222 | 1,158,751 | 3,07,875 | |
| Other sorts of manufactures... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | ... | |
| Silk *piece-goods*, pure and mixed ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . . | | ... | |
| Woollen *goods* ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | ... | |
| All other articles, unenumerated ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | . . | |
| Total value of Yarns and Textile Fabrics ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | . | 35,992 | | 3,27,011 | |
| B. Apparel— | | | | | | | | | | | | | | | | | |
| Apparel ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | . . | . | ... | ... | | 245 | | 373 | |
| Boots and shoes... ... ... Pairs | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | ... | ... | | | . | |
| Total value of Apparel ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | ... | 245 | | 373 | |
| C. Other Articles— | | | | | | | | | | | | | | | | | |
| Glass and glassware ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | .. | . | 18 | | 213 | |
| All other articles, unenumerated ... ... ... ... ,, | ... | 1,012 | ... | 3,287 | ... | ... | ... | 10 | ... | ... | ... | | . | 2,429 | | 4,491 | |
| Total value of Other Articles ... | ... | 1,012 | ... | 3,287 | ... | ... | ... | 10 | ... | . | . | . | ... | 2,447 | | 4,704 | |
| Total value of Articles Manufactured and partly Manufactured ... | ... | 1,012 | ... | 3,287 | ... | ... | ... | 10 | ... | . | . | .. | ... | 38,684 | | 3,32,088 | |
| Total of Foreign Merchandise ... | ... | 1,012 | ... | 3,287 | ... | ... | ... | 10 | ... | ... | ... | ... | . | 49,749 | | 3,39,408 | |
| INDIAN PRODUCE AND MANUFACTURES. | | | | | | | | | | | | | | | | | |
| I. Animals, living ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | . | 2,593 | 1,33,842 | 6,283 | 4,59,779 | |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | ... | . | ... | ... | ... | 1,876 | 1,05,682 | 491 | 20,452 | | | | ... | |
| Fruits and vegetables ... ... Val. | ... | ... | .. | ... | ... | ... | ... | ... | ... | 250 | | 443 | | 92,420 | | 95,729 | |
| Grain and Pulse— | | | | | | | | | | | | | | | | | |
| Gram ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . . | 19 | 53 | 35 | 129 | |
| Jowar and bajra ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | ... | . | | ... | |
| Pulse ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | 363 | 1,997 | 81 | 337 | |
| Rice in the husk ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 23 | 56 | | ... | |
| Rice not in the husk ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | 486 | 3,093 | 103 | 628 | 6,773 | 84,093 | 5,733 | 30,350 | |
| Wheat ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | . . | | | | | .. | |
| Wheat flour ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | . . | | | | . . | |
| Other sorts ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | 33 | 114 | 30 | 110 | |
| Provisions ... ... ... Val. | ... | 824 | ... | 960 | ... | ... | .. | ... | ... | 1,201 | ... | 2,483 | | 97,101 | | 1,68,080 | |
| Spices ... ... ... ... lb | 22,400 | 3,600 | 51,660 | 11,560 | ... | 25 | ... | 30 | 9,453 | 2,597 | 9,565 | 3,950 | 127,264 | 18,388 | 150,755 | 16,708 | |
| Sugar ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | 107 | 808 | 102 | 760 | |
| Tea ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | .. | | .. | |
| Other articles, unenumerated. Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | . | . | 11,543 | | 26,567 | |
| Total value of Articles of Food and Drink ... ... ... ... | ... | 4,424 | ... | 12,460 | ... | 25 | ... | 30 | ... | 1,12,823 | .. | 27,056 | .. | 2,56,603 | | 3,58,780 | |
| II. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | 6,841 | . | 8,630 | |
| B. Metals ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | .. | .. | | . | . | 37 | 2,500 | 153 | 9,075 | |
| C. Machinery and millwork ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | | | | |
| Total value of Metals and Manufactures of ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | 9,341 | | 17,705 | |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | Turkey in Asia. | | | | Other countries in Asia. | | | | Victoria. | | | | Other countries. | | | | Total. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 |
| FOREIGN MERCHANDISE. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| I. Animals, living ... ... ... No. | ... | ... | ... | .. | ... | ... | . | ... | ... | .. | .. | . | | | | | 81 | 20,500 | 6 | 2 000 |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... Cwt. | ... | ... | ... | .. | ... | .. | ... | ... | ... | . | . | | | | | | 6 | 300 | | |
| Provisions ... ... ... ... Val. | ... | .. | ... | ... | ... | .. | ... | .. | .. | . | | | | | | | | 21,563 | | 1,565 |
| Spices ... ... ... ... lb. | ... | .. | . | .. | .. | | | | . | . | | | | . | | | 16,016 | 2,483 | 3,130 | 1 725 |
| Sugar— | | | | | | | | | | | | | | | | | | | | |
| Refined or crystallised, including sugarcandy and confectionery ... ... Cwt. | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | . | | 1 | 27 | | | 1,127 | 13 170 | 3 | 60 |
| Tea ... ... ... ... lb. | ... | . | .. | . | .. | . | . | . | . | . | | | . | | | | | | | |
| Other articles ... ... ... Val. | ... | .. | ... | .. | .. | .. | ... | ... | ... | ... | .. | | | | | | | 5 802 | | 6 504 |
| Total value of Articles of Food and Drink... | ... | ... | ... | .. | ... | ... | ... | .. | .. | . | .. | . | | 27 | | | | 45,147 | | 8 854 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... Val. | ... | 52 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 110 | | . | | 25 | | 30,535 | | 46 348 |
| B. Metals— | | | | | | | | | | | | | | | | | | | | |
| Copper ... ... ... Cwt. | ... | ... | ... | ... | . | ... | ... | .. | ... | .. | | . | . | ... | | | 55 | 2 366 | | |
| Iron ... ... ... ,, | 2 | 20 | ... | ... | .. | ... | ... | .. | ... | . | . | . | .. | | | | 895 | 6,159 | 158 | 1 081 |
| Tin ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | . | . | ... | | | | 1 | 67 | lb. 8 | 5 |
| Other metals, unenumerated ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | . | | . | . | | | 88 | 2 653 | | |
| Total of Metals ,, | 2 | 20 | ... | ... | ... | ... | ... | ... | ... | ... | . | | .. | . | | | 1 039 | 11,245 | 158 | 1,086 |
| C. Machinery and millwork. Val. | ... | ... | ... | ... | ... | ... | ... | 1,275 | ... | ... | ... | . | | | . | | | 4,737 | | 9,175 |
| Total value of Metals and Manufactures of. | ... | 72 | ... | ... | ... | ... | ... | 1,275 | ... | ... | .. | 110 | . | ... | ... | 25 | | 46,517 | | 56 609 |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | ... | .. | | 1,790 | . | 1,876 |
| Drugs, medicines and narcotics, dyeing and tanning materials ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | 90 | ... | ... | ... | ... | .. | 68 | . | 526 | . | 29,409 | .. | 22,279 |
| Total value of Chemicals, Drugs, Medicines, &c. ... | ... | ... | ... | ... | ... | ... | ... | 90 | ... | ... | ... | ... | ... | 68 | ... | 526 | ... | 31,199 | .. | 24,155 |
| V. Oils— | | | | | | | | | | | | | | | | | | | | |
| Mineral— | | | | | | | | | | | | | | | | | | | | |
| Kerosine ... ... ... Gals. | ... | ... | ... | ... | 8 | 4 | 1,600 | 612 | ... | ... | ... | ... | ... | .. | ... | ... | 8 | 4 | 1,692 | 676 |
| Other kinds of oils ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | ... | ... | .. | . | ... | ... | |
| Total of Oils ,, | ... | ... | ... | ... | 8 | 4 | 1,600 | 612 | ... | ... | ... | . | ... | ... | ... | . | 8 | 4 | 1,692 | 676 |
| VI. Raw Materials and Unmanufactured articles— | | | | | | | | | | | | | | | | | | | | |
| Gums and resins ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 45 | 115 | 2,162 | 49 | 990 |
| Ivory ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| Shells and cowries ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Silk ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wool ... ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | ... | 2,054 | ... | 1,189 |
| Total value of Raw Materials, &c. ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 45 | . | 4,216 | .. | 2,179 |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | 64,189 | 47,201 | 40,265 | 21,277 |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods— | | | | | | | | | | | | | | | | | | | | | |
| Grey ... ... ... ... | Yds. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,725 | 225 | 270,115 | 48,973 | 242,163 | 39,958 |
| White ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | 82,620 | 19,734 | 72,336 | 15,490 |
| Coloured ... ... ... | ,, | ... | ... | ... | ... | ... | ... | 3,600 | 656 | ... | ... | ... | ... | ... | .. | 3,600 | 483 | 294,170 | 81,396 | 1,213,943 | 3,20,640 |
| Other sorts of manufactures | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | .. | . | 1,421 | | 516 |
| Silk piece-goods, pure and mixed ... ... ... ... | ,, | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | 280 | | |
| Woollen goods ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | ... | . | 10,174 | | 333 |
| All other articles, unenumerated ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | . | | |
| Total value of Yarns and Textile Fabrics ... | | ... | ... | ... | ... | ... | ... | ... | 656 | ... | ... | ... | .. | ... | ... | . | 708 | . | 2,09,179 | | 3,98,214 |
| B. Apparel— | | | | | | | | | | | | | | | | | | | | | |
| Apparel ... ... ... ... | Val. | ... | ... | ... | ... | ... | 485 | ... | 385 | ... | ... | ... | 100 | ... | 280 | . | 600 | | 71,760 | | 61,009 |
| Boots and shoes ... ... ... | Pairs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | 494 | 1,581 | 61 | 665 |
| Total value of Apparel ... | | ... | ... | ... | ... | ... | 485 | ... | 385 | ... | ... | ... | 100 | .. | 280 | | 600 | | 73,341 | | 61,674 |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | | |
| Glass and glassware ... ... | Val. | ... | ... | ... | ... | ... | 20 | ... | ... | ... | .. | ... | ... | ... | 100 | .. | 100 | . | 10,072 | | 12,115 |
| All other articles, unenumerated ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | 135 | ... | 20 | ... | 3,040 | ... | 197 | . | 250 | | 1,42,749 | | 1,17,477 |
| Total value of Other Articles ... | | ... | ... | ... | ... | ... | 20 | ... | 135 | ... | 20 | ... | 3,040 | . | 297 | | 350 | . | 1,52,821 | | 1,29,592 |
| Total value of Articles Manufactured and partly Manufactured ... | | ... | ... | ... | ... | ... | 505 | ... | 1,176 | ... | 20 | ... | 3,140 | ... | 577 | | 1,658 | ... | 4,35,341 | | 5,89,480 |
| Total of Foreign Merchandise ... | | ... | 72 | ... | ... | ... | 509 | ... | 3,153 | ... | 20 | ... | 3,250 | ... | 672 | . | 2,254 | | 5,80,924 | | 6,83,953 |
| INDIAN PRODUCE AND MANUFACTURES. | | | | | | | | | | | | | | | | | | | | | |
| I. Animals, living ... ... ... | No. | ... | ... | ... | ... | 311 | 13,950 | ... | ... | ... | ... | ... | .. | .. | | | | 171,630 | 11,02,909 | 171,862 | 12,93,923 |
| II. Articles of Food and Drink— | | | | | | | | | | | | | | | | | | | | | |
| Coffee ... ... ... ... | Cwt. | 4,148 | 2,64,484 | ... | ... | ... | ... | lb. 56 | 24 | 1.447 | 1,00,375 | 1,820 | 1,15,200 | 330 | 20,962 | 555 | 35,240 | 220,299 | 1,49,42,257 | 267,300 | 1,73,87,155 |
| Fruits and vegetables ... ... | Val. | ... | 3,418 | ... | 1,475 | ... | 2,163 | ... | 1,286 | ... | ... | ... | .. | ... | 40 | ... | 157 | ... | 9,93,129 | | 12,11,347 |
| Grain and Pulse— | | | | | | | | | | | | | | | | | | | | | |
| Gram ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | 53 | 295 | 34,439 | 1,69,272 | 21,850 | 89,227 |
| Jowar and bajra ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | | | | | 96 | 103 |
| Pulse ... ... ... ... | ,, | 6 | 32 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 18 | 132 | 31 | 148 | 56,341 | 3,00,153 | 16,692 | 70,767 |
| Rice in the husk ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | | | 286,284 | 7,00,129 | 384,527 | 9,30,043 |
| Rice not in the husk ... ... | ,, | 3,055 | 17,685 | 615 | 2,810 | 1,612 | 7,380 | 1,544 | 7,262 | ... | ... | ... | . | 53 | 320 | 374 | 2,237 | 2,504,389 | 1,20,72,467 | 1,367,119 | 68,32,260 |
| Wheat ... ... ... ... | ,, | 12 | 84 | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | | | 356 | 2,981 | 63 | 386 |
| Wheat flour ... ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | | | 6,645 | 527 | 5,880 | 507 |
| Other sorts ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | 4 | 18 | 43 | 150 | ... | ... | 48 | 184 | 132 | 648 | 1,386 | 5,626 | 596 | 2,730 |
| Provisions ... ... ... | Val. | ... | 29,155 | ... | 35,426 | ... | 338 | ... | 400 | ... | 28,192 | . | 25,152 | ... | 62,209 | . | 87,781 | | 19,24,445 | | 16,92,642 |
| Spices ... ... ... ... | lb. | 116,823 | 25,900 | 332,355 | 84,469 | 2,562 | 307 | 5,933 | 810 | 11,200 | 2,500 | .. | ... | 51,840 | 17,422 | 68,477 | 24,014 | 17,812,944 | 31,47,463 | 20,37,698 | 41,86,799 |
| Sugar ... ... ... ... | Cwt. | 156 | 1,094 | 3,228 | 22,699 | 83 | 473 | 66 | 355 | ... | ... | ... | ... | 11 | 55 | 24 | 175 | 562,182 | 26,25,754 | 302,261 | 16,38,424 |
| Tea ... ... ... ... | lb. | ... | ... | ... | ... | ... | .. | ... | ... | 8,513 | 8,518 | 2,840 | 2,425 | 4,142 | 4,962 | 2,125 | 1,873 | 3,242,079 | 24,75,784 | 3,661,319 | 25,71,717 |
| Other articles, unenumerated... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 12,521 | | 26,651 |
| Total value of Articles of Food and Drink ... ... ... ... | | ... | 3,41,852 | ... | 1,46,879 | ... | 10,661 | ... | 10,155 | ... | 1,39,735 | ... | 1,42,777 | ... | 1,05,386 | ... | 1,52,568 | . | 3,93,70,518 | | 3,65,70,758 |
| III. Metals and Manufactures of Metals— | | | | | | | | | | | | | | | | | | | | | |
| A. Hardware and Cutlery ... | Val. | ... | ... | ... | ... | ... | ... | ... | 15 | . | .. | ... | . | ... | 200 | | 150 | | 17,738 | | 23,671 |
| B. Metals ... ... ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | 41 | 2,445 | 45 | 2,760 | 1,578,447 | 6,90,622 | 1,258,829 | 5,58,185 |
| C. Machinery and millwork ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | | ... | 100 | .. | 40 |
| Total value of Metals and Manufactures of ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | 15 | ... | ... | ... | ... | ... | 2,645 | ... | 2,910 | .. | 7,08,460 | ... | 5,81,796 |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | United Kingdom. | | | | Austria-Hungary. | | | | Belgium. | | | | France | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| INDIAN PRODUCE AND MANUFACTURES—*cont.* | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | .. | ... | ... | ... | ... | ... | ... | ... | | | ... | | | | |
| Drugs, Medicines and Narcotics (excluding Chemicals)— | | | | | | | | | | | | | | | | |
| Drugs and medicines ... Val. | ... | 9,78,460 | ... | 5,63,008 | ... | 3,728 | ... | 6,286 | .. | | | 1,875 | | 7,522 | | 15,611 |
| Tobacco— | | | | | | | | | | | | | | | | |
| Unmanufactured ... lb. | 465 | 155 | ... | ... | .. | .. | .. | ... | | | | | | | 10 | 8 |
| Manufactured ... .. ,, | 183,443 | 2,70,431 | 177,261 | 3,16,996 | 500 | 469 | 1,821 | 2,129 | 695 | 686 | 1,602 | 1,852 | 3,658 | 5,490 | 2,270 | 1,780 |
| Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | |
| Indigo ... ... ... ... Cwt. | 8,575 | 19,09,781 | 7,100 | 15,84,571 | 188 | 1,02,930 | 579 | 1,25,738 | 794 | 1,75,800 | .. | | 3,549 | 7,87,325 | 744 | 1,64,440 |
| Myrabolams ... ... ... ,, | 60,489 | 1,32,223 | 92,579 | 2,19,714 | ... | .. | | | 1,732 | 4,136 | 5,107 | 13,771 | | | 37 | |
| Turmeric ... ... ... ,, | 909 | 6,378 | 1,792 | 15,248 | 206 | 1,030 | 96 | 578 | | | | | | | 196 | 670 |
| Other kinds ... ... ... ,, | 13,711 | 47,213 | 19,002 | 65,867 | | | 300 | 1,200 | | | | | 10 | 18 | 417 | 2,014 |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials ... | ... | 33,45,081 | ... | 27,65,404 | . | 1,08,057 | .. | 1,35,931 | .. | 1,80,625 | | 17,486 | . | 8,00,150 | . | 1,77,810 |
| V. Oils— | | | | | | | | | | | | | | | | |
| Essential ... ... ... ... Gals. | 6,141 | 1,29,409 | 3,314 | 69,540 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 400 | 8,875 |
| Vegetable, not essential { ,, / Cwt. | 471,506 | 6,22,904 | 575,984 | 6,97,726 | 8,819 | 10,617 | 62,260 | 81,722 | 169,490 | 1,48,142 | 122,076 | 1,65,046 | 15,726 | 21,793 | . | |
| | ... | ... | ... | .. | ... | ... | ... | ... | | ... | ... | .. | . | | | |
| All other sorts ... ... ... Gals. | ... | . | .. | . | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | |
| Total of Oils ... { Gals. / Cwt. | 477,647 | 7,52,348 | 579,298 | 7,67,266 | 8,819 | 10,617 | 62,260 | 81,722 | 169,490 | 1,48,142 | 122,076 | 1,65,046 | 15,726 | 21,793 | 400 | 8,875 |
| | ... | ... | ... | ... | .. | ... | ... | ... | ... | .. | ... | ... | . | | . | |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | |
| Cotton ... ... ... ... Cwt. | 68,497 | 17,32,620 | 89,298 | 18,79,188 | 3,346 | 81,752 | 14,023 | 2,87,134 | 27,780 | 7,13,334 | 83,753 | 17,73,637 | 17,187 | 3,98,366 | 40,187 | 8,56,140 |
| Gums and resins (excluding Cutch and Gambier) ... ,, | 265 | 3,871 | 524 | 11,902 | ... | ... | ... | ... | ... | .. | ... | ... | ... | . | 9 | 131 |
| Hemp ... ... ... ... ,, | 5,629 | 51,815 | 19,360 | 1,38,966 | ... | ... | ... | ... | ... | ... | ... | ... | 21 | 192 | | |
| Hides and Skins— | | | | | | | | | | | | | | | | |
| Hides, raw ... ... { Cwt. / No. | 51 / 639 | 3,601 | 36 / 1,600 | 3,000 | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | |
| Skins, raw ... ... { Cwt. / No. | 62 / 2,222 | 4,211 | 1,377 / 78,456 | 98,470 | ... | .. | 3 / 200 | 250 | . | ... | ... | ... | ... | ... | | ... |
| Horns ... ... ... ... Cwt. | 5,377 | 1,48,056 | 8,052 | 1,94,149 | ... | ... | ... | ... | ... | ... | ... | .. | 392 | 8,820 | 232 | 4,640 |
| Jewellery— | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,207 | ... | 2,982 |
| Manures— | | | | | | | | | | | | | | | | |
| Animal bones... ... ... Tons | 9 | 188 | 18 | 1,467 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . |
| Other kinds (except oil-cake) ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... |
| Seeds— | | | | | | | | | | | | | | | | |
| Essential ... ... ... Cwt. | 2,412 | 15,767 | 28,146 | 1,19,938 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20,241 | 82,939 |
| Other than essential— | | | | | | | | | | | | | | | | |
| Castor ... ... ... Cwt. | 141,563 | 10,12,075 | 218,387 | 13,31,285 | ... | ... | 2,000 | 12,294 | ... | ... | ... | ... | 2,928 | 22,500 | 17,179 | 1,10,454 |
| Cotton ... ... ... ,, | 44 | 90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. |
| Earthnut ... ... ... ,, | 9,994 | 64,774 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4,500 | 19,677 |
| Linseed ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Mustard ... ... ... ,, | ... | ... | 9,986 | 54,560 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Poppy ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Rape ... ... ... ... ,, | 8,001 | 45,761 | 57,049 | 3,04,839 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tea ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Til or jinjili ... ... ,, | ... | ... | ... | ... | 20,248 | 1,53,314 | 31,849 | 2,11,320 | ... | ... | .. | ... | 186,667 | 13,85,939 | 155,460 | | 9,85,855 |
| Other sorts ... ... ,, | 803 | 8,192 | 834 | 9,546 | ... | ... | ... | ... | ... | ... | . | .. | 18 | 216 | | | |
| Wax (excluding candles) ... ,, | 11 | 1,134 | 126 | 10,933 | ... | ... | ... | ... | ... | ... | .. | . | .. | . | | | ... |
| Wood— | | | | | | | | | | | | | | | | | |
| Teak and other kinds ... ... Val. | ... | 2,36,085 | ... | 1,85,297 | ... | 29 | ... | 974 | ... | ... | ... | ... | | 95,362 | | | 90,568 |
| Wool ... ... ... ... lb. | 373,401 | 47,279 | 743,244 | 70,987 | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | ... |
| All other articles, unenumerated. Val. | ... | 7,29,152 | ... | 8,26,669 | ... | 227 | ... | 249 | ... | 16,282 | ... | 88,962 | ... | 1,57,656 | . | | 1,48,167 |
| Total value of Raw Materials and Unmanufactured articles ... | ... | 41,04,611 | ... | 52,41,196 | ... | 2,35,322 | ... | 5,12,221 | ... | 7,29,616 | ... | 18,62,599 | .. | 20,70,258 | | | 23,02,211 |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... lb. | 40 | 12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | ... |
| Manufactures— | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... Yds. | 287,778 | 44,112 | 204,409 | 37,738 | ... | ... | | 3 | ... | ... | ... | ... | .. | ... | ... | | |
| Other sorts ... ... ... Val. | ... | 5,36,769 | ... | 5,62,724 | ... | ... | ... | ... | ... | ... | ... | ... | .. | 2,360 | | | 1,200 |
| Jute— | | | | | | | | | | | | | | | | | |
| Manufactures— | | | | | | | | | | | | | | | | | |
| Gunny bags ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | |
| Other kinds ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | | |
| Silk goods ... ... ... ,, | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | | |
| Woollen goods ... ... ,, | ... | 1,67,654 | ... | 2,26,490 | ... | ... | ... | ... | ... | ... | ... | . | ... | . | | | |
| Other articles, unenumerated ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | | | 55 |
| Total value of Yarns and Textile Fabrics ... | ... | 7,48,547 | ... | 8,26,952 | ... | ... | ... | 3 | ... | ... | ... | ... | | 2,360 | . | | 1,255 |
| B. Apparel— | | | | | | | | | | | | | | | | | |
| Apparel (including drapery, haberdashery, millinery uniforms, accoutrements, but excluding hosiery. Val. | ... | 79,141 | ... | 85,001 | ... | 300 | ... | ... | ... | ... | .. | 300 | | 470 | | | 1,035 |
| Boots and shoes ... ... Pairs. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | ... | .. | | . |
| Total value of Apparel ... | ... | 79,141 | ... | 85,001 | ... | 300 | ... | ... | ... | ... | ... | 300 | . | 470 | | | 1,035 |
| C. Other Articles— | | | | | | | | | | | | | | | | | |
| Cabinetware and furniture ... Val. | ... | 11,709 | ... | 7,345 | ... | ... | ... | 1,100 | ... | ... | .. | ... | | 30 | | | 875 |
| Coir manufactures ... .. Cwt. | 122,805 | 12,20,451 | 158,222 | 14,84,532 | 474 | 4,612 | 1,992 | 18,301 | 20,274 | 1,96,133 | 16,182 | 1,58,149 | 20,840 | 1,97,184 | 22,125 | | 2,10,082 |
| Hides and skins— | | | | | | | | | | | | | | | | | |
| Hides, dressed or tanned { Cwt. | 153,325 | 85,63,798 | 102,891 | 57,40,707 | ... | ... | ... | ... | ... | ... | . | | | | | | |
| { No. | 2,212,188 | | 1,677,106 | | | | | | | | | | | | | | |
| Skins, dressed or tanned { Cwt. | 108,551 | 1,59,67,556 | 102,992 | 1,50,09,894 | 255 | 41,189 | 1,385 | 1,89,620 | 54 | 9,140 | 23 | 3,790 | 544 | 80,031 | 942 | | 1,06,554 |
| { No. | 11,604,854 | | 10,991,757 | | 26,360 | | 142,888 | | 5,625 | | 2,330 | | 54,950 | | 104,962 | | |
| Jewellery (excluding precious stones and pearls, unset) ... Val. | ... | 21,924 | ... | 1,96,243 | .. | ... | ... | ... | .. | ... | .. | | .. | 2,000 | | | |
| All other articles, unenumerated ,, | ... | 70,146 | ... | 1,02,883 | ... | 154 | ... | 414 | ... | ... | .. | 50 | | 4,000 | | | 6 334 |
| Total value of Other Articles ... | ... | 2,58,55,584 | ... | 2,25,41,604 | ... | 45,955 | ... | 2,09,435 | ... | 2,05,273 | ... | 1,62,289 | .. | 2,83,245 | | | 3,23 845 |
| Total value of Articles Manufactured and partly Manufactured ... ... ... ... | ... | 2,66,83,272 | ... | 2,34,53,557 | ... | 46,255 | ... | 2,09,438 | .. | 2,05,273 | | 1,62,589 | . | 2,86,075 | | | 3,26,135 |
| Indian produce and manufactures. { Dutiable ... | ... | ... | ... | ... | ... | 3 | ... | ... | ... | ... | .. | | | | .. | | |
| { Free ... | ... | 4,91,78,906 | ... | 4,95,17,346 | ... | 8,70,580 | ... | 19,46,908 | ... | 17,33,439 | | 25,41,859 | | 85,43,953 | | | 72 77,864 |
| Total ... | ... | 4,91,78,906 | ... | 4,95,17,346 | ... | 8,70,583 | ... | 19,46,908 | ... | 17,33,439 | .. | 25,41,859 | . | 85,43,953 | | | 72,77,864 |
| Total of Foreign and Indian ... | ... | 4,94,09,325 | ... | 4,96,99,767 | ... | 8,70,749 | ... | 19,50,498 | ... | 17,38,225 | . | 25,42,503 | . | 85,47,601 | | | 72 77 864 |
| Treasure ... { Gold ... ... ... ... | ... | ... | ... | 9,700 | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | | |
| { Silver ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | | | | |
| Total ... | ... | ... | ... | 9,700 | ... | ... | ... | ... | ... | ... | ... | .. | | | | | |
| Grand Total ... | ... | 4,94,09,325 | ... | 4,97,09,467 | ... | 8,70,749 | ... | 19,50,498 | ... | 17,38,225 | .. | 25,42,503 | .. | 85,47,601 | | | 72,77,864 |
| Government { Stores ... ... ... ... | ... | 1,33,679 | ... | 11,548 | ... | ... | ... | ... | ... | ... | . | | .. | | | | ... |
| { Treasure ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | | | .. |
| Total ... | ... | 1,33,679 | ... | 11,548 | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | . | | .. |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | Germany. | | | | Holland. | | | | Italy. | | | | Malta. | | | | Portugal. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| INDIAN PRODUCE AND MANUFACTURES —*cont.* | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | . | | .. | | . | . | |
| Drugs, Medicines and Narcotics (excluding Chemicals)— | | | | | | | | | | | | | | | | | | | | |
| Drugs and medicines ... Val. | ... | 1,360 | ... | 16,160 | ... | ... | ... | ... | ... | ... | ... | 5,041 | ... | ... | ... | .. | .. | .. | | . |
| Tobacco— | | | | | | | | | | | | | | | | | | | | |
| Unmanufactured ... lb. | ... | ... | 5 | 20 | ... | ... | 1,815 | 6,201 | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | |
| Manufactured ... ... ,, | 3,786 | 4,198 | 8,504 | 8,242 | ... | ... | ... | ... | ... | ... | 40 | 80 | 3,880 | 3,770 | 11,268 | 10,905 | | | | . |
| Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Indigo ... ... ... ... Cwt. | 920 | 1,95,172 | 387 | 86,100 | 728 | 1,44,656 | 178 | 40,000 | 186 | 41,400 | 23 | 5,200 | 49 | 10,800 | 80 | 17,078 | ... | ... | . | ... |
| Myrabolams ... ... ... ,, | ... | ... | 18,308 | 37,978 | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | | . | | | . |
| Turmeric ... ... ... ,, | ... | ... | 68 | 712 | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | | | | | | |
| Other kinds ... ... ... ,, | 704 | 1,569 | 1,247 | 6,358 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials ... | ... | 2,02,299 | ... | 1,55,870 | ... | 1,44,656 | ... | 46,201 | ... | 41,400 | ... | 10,321 | ... | 14,579 | ... | 27,983 | . | ... | | . |
| V. Oils— | | | | | | | | | | | | | | | | | | | | |
| Essential ... ... ... ... Gals. | 150 | 1,300 | 208 | 3,930 | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | ... | . | | |
| Vegetable, not essential { ,, | 181,999 | 2,38,944 | 300,811 | 3,90,601 | ... | ... | 7,168 | 10,000 | ... | ... | ... | ... | ... | .. | .. | . | .. | . | | ... |
| { Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | | | .. | | |
| All other sorts ... ... .. Gals. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | . | | .. | | |
| Total of Oils ... { Gals. | 182,149 | 2,43,244 | 301,019 | 3,94,531 | ... | ... | 7,168 | 10,000 | ... | ... | ... | .. | ... | ... | | . . | . | . | . | |
| { Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | | | | |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | | | | | |
| Cotton .. ... ... ... Cwt. | 18,758 | 4,73,700 | 31,552 | 6,20,339 | .. | ... | .. | .. | 7,092 | 1,70,760 | 13,847 | 3,12,437 | .. | | | | | | | |
| Gums and resins (excluding Cutch and Gambier) ... ,, | 255 | 5,578 | 1,111 | 21,830 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . . | | | | ... |
| Hemp ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | . | | | |
| Hides and Skins— | | | | | | | | | | | | | | | | | | | | |
| Hides, raw ... ... { Cwt. / { No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | . |
| Skins, raw ... ... { Cwt. / { No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . | ... | | . |
| Horns ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | . | ... |
| Jewellery— | | | | | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | . | . | .. | |
| Manures— | | | | | | | | | | | | | | | | | | | | |
| Animal bones ... ... ... Tons | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | .. | .. | | .. | . | | | |
| Other kinds (except oil-cake) ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | . |
| Seeds— | | | | | | | | | | | | | | | | | | | | |
| Essential ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | | . | | | |
| Other than essential— | | | | | | | | | | | | | | | | | | | | |
| Castor ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | .. | 890 | 5,597 | .. | ... | .. | ... | .. | | . | | | |
| Cotton ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | .. | ... | ... | . | . | . | | |
| Earthnut ... ... ... ,, | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | . | | | | | . | | | . |
| Linseed ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | . | | . | | . | . | | .. |
| Mustard ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | ... | . | .. | . | . | | | | |
| Poppy ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | | . | | | . | | .. |
| Rape ... ... ... .. ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | | .. | . | ... |

| | | |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | Russia. | | | | Spain. | | | | Mozambique. | | | | Zanzibar. | | | | Egypt. | | | | Mauritius. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 |
| INDIAN PRODUCE AND MANUFACTURES —*cont.* | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. | | RS. |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | .. | . | ... | .. | . | . | | | | | | | | |
| Drugs, Medicines and Narcotics (excluding Chemicals)— | | | | | | | | | | | | | | | | | | | | | | | | |
| Drugs and medicines ... Val. | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | | ... | | ... | | ... | 135 | . | 875 | | | . | ... |
| Tobacco— | | | | | | | | | | | | | | | | | | | | | | | | |
| Unmanufactured ... lb. | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | .. | ... | ... | . | . | . | . | . | . | . | 21,275 | 6,015 | 10,750 | 3,320 |
| Manufactured ... ... ,, | ... | ... | .. | | 8,148 | 9,224 | 13,676 | 12,450 | ... | ... | ... | ... | 783 | 681 | 530 | 550 | 2,924 | 4,022 | 3,489 | 6,140 | 23,512 | 23,592 | 16,561 | 9,878 |
| Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | | | | | |
| Indigo ... ... ... ... Cwt. | ... | ... | ... | .. | ... | .. | ... | ... | ... | . | .. | . | .. | | ... | . | 14,453 | 32,01,363 | 13,771 | 31,21,897 | | | | . |
| Myrabolams ... ... ... ,, | ... | ... | ... | | | ... | .. | .. | ... | ... | ... | .. | .. | . | | | | | | | | | | .. |
| Turmeric ... ... ... ,, | ... | ... | ... | ... | . | . | ... | . | ... | ... | .. | .. | | | .. | | | | 34 | 387 | 83 | 737 | 20 | 270 |
| Other kinds ... ... ... ,, | ... | ... | ... | .. | ... | | ... | ... | ... | .. | . | . | . | | | | | | | | . | | | .. |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials ... | ... | ... | ... | ... | ... | 9,224 | ... | 12,450 | ... | .. | ... | ... | ... | 681 | .. | 550 | .. | 32,95,520 | | 31,29,297 | | 30,374 | . | 13,468 |
| V. Oils— | | | | | | | | | | | | | | | | | | | | | | | | |
| Essential ... ... ... ... Gals. | ... | ... | ... | ... | ... | . | | ... | ... | . | .. | ... | | | | | | | | | | | | |
| Vegetable, not essential { ,, / Cwt. | ... | . | ... | .. | | . | .. | .. | .. | .. | . | | . | | . | | . | | | | 31,435 | 36,388 | 60,230 | 69,425 |
| All other sorts ... ... ... Gals. | ... | ... | ... | ... | . | . | .. | . | ... | | . | . | | | | | | . | | | . | | | |
| Total of Oils ... { Gals. / Cwt. | ... | ... | ... | | ... | | . | .. | ... | .. | .. | | | | | | | | | | 31,435 | 36,388 | 60,230 | 69,425 |
| | ... | . | .. | .. | ... | | ... | | . | . | . | . | | | | | | | | | | | | |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | | | | | | | | | |
| Cotton ... ... ... ... Cwt. | 990 | 29,700 | 990 | 19,800 | 1,800 | 18,600 | . | ... | ... | . | .. | .. | | | | | | | | | | | | |
| Gums and resins (excluding Cutch and Gambier) ... ... ,, | . | ... | ... | ... | .. | | .. | .. | ... | | . | . | | | | | | | | | . | | | . |
| Hemp ... ... ... ... ,, | ... | ... | ... | .. | ... | .. | ... | . | ... | ... | .. | .. | | | | | | | | | | | | |
| Hides and Skins— | | | | | | | | | | | | | | | | | | | | | | | | |
| Hides, raw ... ... { Cwt. / No. | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | .. | ... | . | | | ... | . | | | | | | | |
| Skins, raw ... ... { Cwt. / No. | ... | ... | ... | ... | ... | .. | ... | .. | .. | .. | .. | ... | .. | | | . | | . | | . | | | { 15 / 200 } | 850 |
| Horns ... ... ... ... Cwt. | ... | ... | ... | .. | ... | .. | .. | ... | ... | . | ... | | ... | | | | .. | | | | | | | |
| Jewellery— | | | | | | | | | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | . | | | ... | ... | ... | .. | . | . | .. | | . | .. |
| Manures— | | | | | | | | | | | | | | | | | | | | | | | | |
| Animal bones ... ... ...Tons | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | . | | . | | . | | | |
| Other kinds (except oil cake) ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | . | | | .. | . | | .. | | | . |
| Seeds— | | | | | | | | | | | | | | | | | | | | | | | | |
| Essential ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | ... | ... | ... | | | | 401 | 2,703 | 819 | 7,142 |
| Other than essential— | | | | | | | | | | | | | | | | | | | | | | | | |
| Castor ... ... ... ... Cwt. | ... | ... | 26,108 | 1,60,470 | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | . | 55,595 | 3,79,670 | .. | . | ... | ... | . | . |
| Cotton ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | .. | .. | . | .. | . | ... | ... | | . | |
| Earthnut ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | . | . | . | . | . | ... | | . | |
| Linseed ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | ... | . | .. | ... | . | ... | | | | |
| Mustard ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | 380 | 3,287 | 245 | 1,423 |
| Poppy ... ... ... ... ,, | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | ... | .. | . | ... | ... | . | . |
| Rape ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | | . | ... | .. | .. | . | ... | ... | | ... |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tea ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Til or jinjili ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other sorts ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 603 | 846 |
| Wax (excluding candles) ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Wood— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Teak and other kinds ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,200 | ... | ... | ... | ... | ... | ... |
| Wool ... ... ... ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All other articles, unenumerated. Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5,202 |
| Total value of Raw Materials and Unmanufactured articles ... ... | ... | 29,700 | ... | 1,80,270 | ... | 48,600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3,79,670 | ... | 1,200 | ... | 5,990 | .. | 15,463 |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Twist and Yarn ... ... lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... Yds. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,799 | 645 | 5,000 | 1,797 | .. | ... | 1,050 | 325 |
| Other sorts ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Jute— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gunny bags ... ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... |
| Other kinds ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Silk goods .. ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6,000 | ... | ... | ... | .. | ... | ... | ... | ... | ... |
| Woollen goods ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6,057 | ... | 3,744 | .. | .. | ... | ... | ... | ... | ... |
| Other articles, unenumerated... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total value of Yarns and Textile Fabrics ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12,702 | ... | 5 541 | ... | ... | ... | ... | ... | ... | 325 |
| B. Apparel— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apparel (including, drapery, haberdashery, millinery, uniforms, accoutrements, but excluding hosiery) ... ... ... Val. | ... | ... | .. | ... | ... | 1,210 | ... | 5,022 | ... | ... | ... | ... | ... | 2,530 | ... | ... | ... | 31,691 | ... | 5,606 | . | | | | 4,045 |
| Boots and shoes ... ... ...Pairs. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | |
| Total value of Apparel ... | ... | ... | ... | ... | ... | 1,210 | ... | 5,022 | ... | ... | ... | ... | ... | 2,530 | ... | ... | ... | 31,691 | ... | 5,606 | ... | | | | | | | 4 045 |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cabinetware and furniture ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | 1,500 | ... | ... | ... | | | | | | | |
| Coir manufactures ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | |
| Hides and skins— | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hides, dressed or tanned ... {Cwt. / No. | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | 54 / 350 | 3,000 | 17 / 160 | 572 | ... | | | | | | | |
| Skins, dressed or tanned ... {Cwt. / No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | .. | ... | ... | 22 / 2,000 | 2,000 | | | | |
| Jewellery (excluding precious stones and pearls, unset) ... Val. | ... | ... | ... | ... | ... | ... | ... | 307 | ... | ... | ... | ... | ... | 622 | ... | ... | ... | 360 | ... | 80 | .. | ... | | | | | | |
| All other articles, unenumerated. ,, | ... | ... | ... | ... | ... | ... | ... | 4 | ... | ... | ... | ... | ... | ... | ... | 11 | ... | 38 | ... | 2,048 | .. | 800 | | | | | | 305 |
| Total value of Other Articles ... | ... | ... | ... | ... | ... | ... | ... | 311 | ... | ... | ... | ... | ... | 622 | ... | 11 | ... | 4,898 | ... | 3,000 | ... | 800 | | | | | | 2,505 |
| Total value of Articles Manufactured and partly Manufactured ... ... ... ... | ... | ... | ... | ... | ... | 1,210 | ... | 5,333 | ... | ... | ... | ... | ... | 3,152 | ... | 11 | ... | 49,291 | ... | 14,147 | ... | 800 | ... | | | | | 6 675 |
| Indian produce and manufactures. {Dutiable ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 240 | ... | 240 | ... | 500 | ... | 4,305 | ... | ... | ... | 42 | | 3,75 592 | .. | | | | | 6,44,763 |
| {Free ... | ... | 29,700 | ... | 1,80,270 | ... | 59,044 | ... | 17,783 | ... | ... | ... | ... | ... | 3,833 | ... | 541 | ... | 41,14,780 | ... | 32,52,117 | ... | 1,91 142 | | | | | | 1,37,337 |
| Total ... | ... | 29,700 | ... | 1,80,270 | ... | 59,044 | ... | 17,783 | ... | 240 | ... | 240 | ... | 4,333 | ... | 4,846 | .. | 41,14,780 | ... | 32 52,159 | . | 5,66,734 | | | | | | 7,82,100 |
| Total of Foreign and Indian ... | ... | 29,700 | ... | 1,80,270 | ... | 59,044 | ... | 17,783 | ... | 240 | ... | 240 | .. | 4,333 | ... | 4,846 | ... | 41,27,259 | .. | 32,54,425 | | 5,66,934 | | | | | | 7,82,314 |
| Treasure ... {Gold ... ... ... ... / Silver ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | . | . | | | | | | | |
| Total ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | .. | | | | | | | |
| Grand Total ... | ... | 29,700 | ... | 1,80,270 | ... | 59,044 | ... | 17,783 | ... | 240 | ... | 240 | ... | 4,333 | ... | 4,846 | ... | 41,27,259 | .. | 32,54,425 | ... | 5,66,934 | | | | | | 7,82,314 |
| Government Stores .. ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | .. | ... | ... | ... | . | .. | | | | | | | | | |
| Do. Treasure ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | | . | . | . | | | | | |
| Total ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | | | | | |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | Reunion (Bourbon). | | | | United States. | | | | Aden. | | | | Arabia. | | | | Ceylon. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 |
| INDIAN PRODUCE AND MANUFACTURES —*cont.* | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | .. | ... | ... | ... | ... | . | .. | . | . | ... | .. | .. | . | | | | 1' 747 | | 20 174 |
| Drugs, Medicines and Narcotics (excluding Chemicals)— | | | | | | | | | | | | | | | | | | | | |
| Drugs and medicines .. Val. | ... | ... | ... | . | ... | 20,094 | . | 63,704 | .. | ... | ... | | | . | | | | 21 000 | | 15 305 |
| Tobacco— | | | | | | | | | | | | | | | | | | | | |
| Unmanufactured ... lb. | ... | ... | 7,200 | 2,400 | ... | ... | . | ... | | | | | | | | | 109,439 | 1 009 | 67,070 | 9 785 |
| Manufactured ... ,, | ... | ... | ... | ... | ... | . | ... | .. | 35,926 | 33,846 | 26,313 | 23,019 | 150 | 150 | 300 | 500 | 29,806 | 28 527 | 31,080 | 30 08 1 |
| Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Indigo ... ... ... ... Cwt. | .. | ... | ... | ... | 1,541 | 3,26,254 | 2,468 | 5,09,559 | | | | | | | | | 4 18 | 97 9 80 | lb. 97 | 71 |
| Myrabolams ... ... ... ,, | ... | ... | ... | ... | ... | .. | | | | | | | | | | | 1,0 | 2 16 | 1,317 | 3 571 |
| Turmeric ... ... ... ,, | ... | ... | ... | ... | 200 | 1,200 | 67 | 422 | 3 | 30 | 11 | 121 | 97 | 1,179 | 186 | 1,771 | 5,57 | 45 98 | 5,05 | 49 864 |
| Other kinds ... ... ... ,, | ... | ... | ... | .. | ... | . | | .. | . | ... | | | | | | | 1,071 | 6,008 | 278 | 1,914 |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials ... | ... | ... | ... | 2,400 | .. | 3,47,548 | | 5,73,685 | . | 33,876 | | 23,140 | | 1,329 | | 2,071 | | 2,27 475 | | 1 31,447 |
| V. Oils— | | | | | | | | | | | | | | | | | | | | |
| Essential ... ... ... ...Gals. | ... | ... | ... | | ... | | 100 | 2,000 | .. | | . | | | | | | | | 200 | 5,400 |
| Vegetable, not essential ... { ,, / Cwt. | ... | ... | 2,201 | 2,450 | 315,733 | 3,75,896 | 582,321 | 6,71,094 | 5 | 5 | ... | | 420 | 422 | 360 | 360 | 104,919 | 17,021 | 102,861 | 1,24,958 |
| All other sorts ... ... ...Gals. | ... | ... | ... | .. | ... | ... | ... | .. | | ... | | | | | | | 258,282 | 7 51,259 | 202,807 | 7,18,804 |
| Total of Oils. { Gals. / Cwt. | ... | ... | 2,201 | 2,450 | 315,733 | 3,75,896 | 582,421 | 6,73,094 | 5 | 5 | | | 420 | 422 | 360 | 360 | 104 919 | 1,15 021 | 103,117 | 1,30,358 |
| | ... | ... | ... | ... | ... | . | . | . | | . | | .. | | | | | 2 8,282 | 7,51,259 | 202,807 | 7,18,804 |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | | | | | |
| Cotton ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | . | | | . | | | 9,754 | 2.24,905 | 9,491 | 1,89,127 |
| Gums and resins (excluding Cutch and Gambier) ... ... ,, | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | . | .. | . | ... | 8 | 88 | 24 | 535 | 42 | 622 |
| Hemp ... ... ... ... ,, | ... | ... | ... | ... | ... | . | .. | ... | ... | ... | .. | | . | .. | | | 3 | 37 | 68 | 821 |
| Hides and Skins— | | | | | | | | | | | | | | | | | | | | |
| Hides, raw ... ... { Cwt. / No. | ... | ... | ... | ... | { 22 / 129 } | 1,094 | ... | ... | .. | | .. | . | | | .. | . | | | { 13 / 240 } | 736 |
| Skins, raw ... ... { Cwt. / No. | ... | ... | ... | ... | ... | ... | { 5,112 / 290,047 } | 3,64,749 | ... | ... | ... | ... | ... | ... | ... | . | { lb. 40 / 1,600 } | 20 | { lb. 16 / 14 } | 7 |
| Horns ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . . | | .. | | 14 | 165 | 6 | 99 |
| Jewellery— | | | | | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | .. | . | .. | ... | ... | ... |
| Manures— | | | | | | | | | | | | | | | | | | | | |
| Animal bones ... ... ...Tons | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | . | ... | | 4,343 | 1,55,364 | 3,687 | 1,32,303 |
| Other kinds (except oil cake). ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | ... | . | ... | | | 43 | 2,122 | 27 | 1,196 |
| Seeds— | | | | | | | | | | | | | | | | | | | | |
| Essential ... ... ... ...Cwt. | ... | ... | 65 | 655 | ... | ... | ... | ... | 1 | 24 | ... | . | 1 | 20 | ... | .. | 20,351 | 165,417 | 13,436 | 1,18,956 |
| Other than essential— | | | | | | | | | | | | | | | | | | .. | 161 | 954 |
| Castor ... ... ... ...Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | .. | ... | .. | 20,259 | 56,781 | 21,031 | 54,357 |
| Cotton ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 742 | 3,294 | 455 | 1,786 |
| Earthnut ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Linseed ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,457 | 19,215 | 2,852 | 21,297 |
| Mustard ... ... ... ... ,, | ... | ... | 29 | 170 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 19 |
| Poppy ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 96 | 738 | 97 | 825 |
| Rape ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tea ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 24 | 1,20) | 45 | 5,955 |
| Til or jinjili ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15,724 | 1,17,496 | 13,124 | 88,277 |
| Other sorts ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,173 | 4,810 | 611 | 4,191 |
| Wax (excluding candles) ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 234 | 20,469 | 141 | 13,284 |
| Wood— | | | | | | | | | | | | | | | | | | | | | |
| Teak and other kinds ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | 21,836 | ... | ... | ... | ... | ... | 13,859 | . | 4,986 | . | 5,488 | . | 17,488 |
| Wool ... ... ... ... ... | lb. | ... | ... | ... | ... | 11,000 | 652 | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | 10 | 10 | 2,188 | 91 |
| All other articles, unenumerated. | Val. | ... | ... | ... | ... | ... | 22,776 | ... | 11,889 | ... | ... | ... | ... | ... | 6,799 | .. | 4,389 | ... | 3,86,710 | | 6,70,885 |
| Total value of Raw Materials and Unmanufactured Articles ... | | ... | ... | ... | 825 | ... | 24,522 | ... | 3,98,474 | ... | 24 | ... | ... | ... | 20,658 | ... | 9,463 | | 11,65.116 | | 13,23,276 |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... | lb. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | 93,547 | 50,492 | 120,687 | 68,377 |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... | Yds. | ... | ... | ... | ... | 804 | 428 | ... | ... | 4,120 | 1,582 | 900 | 450 | 1,900 | 1,000 | 5,288 | 1,572 | 75,17,383 | 23,04,416 | 6,583,975 | 19,17,803 |
| Other sorts ... ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | 32,502 | .. | 32,463 |
| Jute— | | | | | | | | | | | | | | | | | | | | | |
| Manufactures — | | | | | | | | | | | | | | | | | | | | | |
| Gunny bags ... ... | No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7,769 | 1,038 | 1,456 | 288 |
| Other kinds ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | 3,620 | | 3,414 |
| Silk goods ... . ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 23,903 | | 29,284 |
| Woollen goods ... ... | ,, | ... | ... | ... | ... | ... | 4,000 | ... | 2,275 | ... | ... | ... | ... | ... | ... | ... | . | | 1,51,335 | | 79,084 |
| Other articles, unenumerated | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 100 | | 100 |
| Total value of Yarns and Textile Fabrics ... ... ... ... | | ... | ... | ... | ... | ... | 4,428 | ... | 2,275 | ... | 1,582 | ... | 450 | ... | 1,000 | ... | 1,572 | ... | 25,67,406 | . | 21,30,813 |
| B. Apparel— | | | | | | | | | | | | | | | | | | | | | |
| Apparel (including drapery, haberdashery, millinery, uniforms, accoutrements, but excluding hosiery) ... ... ... | Val. | ... | ... | ... | ... | ... | 443 | ... | 1,000 | ... | 582 | ... | ... | ... | ... | ... | ... | ... | 80,052 | .. | 31,730 |
| Boots and shoes ... ... ... | Pairs | ... | ... | ... | ... | ... | ... | ... | ... | 1,020 | 2,040 | 310 | 1,190 | 80 | 120 | ... | .. | 1,082 | 1,338 | 1,074 | 1,195 |
| Total value of Apparel ... | | ... | ... | ... | ... | ... | 443 | ... | 1,000 | ... | 2,622 | ... | 1,190 | ... | 120 | ... | ... | .. | 81,390 | | 32,925 |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | | |
| Cabinetware and furniture ... | Val. | ... | ... | ... | ... | ... | 25 | ... | 10 | ... | 22 | ... | ... | ... | .. | ... | ... | | 3,300 | | 2,001 |
| Coir manufactures ... ... | Cwt. | ... | ... | ... | ... | 6,825 | 76,695 | 3,601 | 35,769 | 10 | 40 | ... | ... | 63 | 363 | 12 | 72 | 80 | 2,723 | 1,756 | 26,383 |
| Hides and skins— | | | | | | | | | | | | | | | | | | | | | |
| Hides, dressed or tanned | Cwt. | ... | ... | ... | ... | 1,542 | 86,342 | 5,118 | 2,67,996 | ... | ... | ... | ... | ... | .. | ... | .. | 75 | 4,848 | 17 | 675 |
| | No. | ... | .. | ... | ... | 26,442 | | 70,574 | | | | | | | | | | 1,777 | | 400 | |
| Skins, dressed or tanned | Cwt. | ... | ... | ... | ... | 38,702 | 53,21,047 | 29,440 | 38,99,623 | ... | ... | ... | ... | ... | ... | ... | .. | 453 | 86,010 | 166 | 17,819 |
| | No. | ... | ... | ... | ... | 3,763,427 | | 3,061,143 | | | | | | | | | | 83,048 | | 30,400 | |
| Jewellery (excluding precious stones and pearls, unset) ... | Val. | ... | ... | ... | ... | ... | ... | ... | 700 | ... | ... | ... | ... | .. | ... | ... | ... | | 1,530 | | 1,600 |
| All other articles, unenumerated | ,, | ... | ... | ... | ... | ... | 2,117 | ... | 13,608 | ... | 9,470 | ... | 4,951 | .. | 19,651 | ... | 18,112 | | 3,35,869 | | 2,66,202 |
| Total value of Other Articles ... | | ... | ... | ... | ... | ... | 54,86,226 | ... | 42,17,706 | ... | 9,532 | ... | 4,951 | .. | 20,014 | ... | 18,184 | | 4,34.220 | | 3 14,680 |
| Total value of Articles Manufactured and partly Manufactured ... ... ... ... | | ... | ... | ... | ... | ... | 54,91,097 | ... | 42,20,981 | ... | 13,736 | ... | 6,591 | . | 21,134 | .. | 19,756 | | 30,83,016 | | 24,78,418 |
| Indian produce and manufactures. | Dutiable ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 50 | ... | ... | .. | 39,927 | | 12,362 | | 1,22,93,657 | | 70,57,704 |
| | Free ... | ... | ... | ... | 46,095 | ... | 64,74,362 | ... | 62,89,733 | ... | 49,613 | ... | 51,809 | .. | 3,08,617 | ... | 81,183 | | 1,02,15,171 | | 86,71,357 |
| Total ... | | ... | ... | ... | 46,095 | ... | 64,74,362 | ... | 62,89,733 | ... | 49,663 | ... | 51,809 | ... | 3,48,544 | | 93,545 | . | 2,25,08 828 | | 1,57,28,061 |
| Total of Foreign and Indian ... | | ... | ... | ... | 46,095 | ... | 64,74,422 | ... | 62,94,513 | ... | 49,663 | ... | 51,809 | .. | 3,48,802 | .. | 93,545 | | 2,27,84.145 | | 1,58,66,122 |
| Treasure ... Gold ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | | | 5,61,631 | | 24,92,500 |
| Silver ... ... .. ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | | | | | |
| Total ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | .. | .. | | 5,61,631 | | 24,92,500 |
| Grand Total ... | | ... | ... | ... | 46,095 | ... | 64,74,422 | ... | 62,94,513 | ... | 49,663 | ... | 51,809 | ... | 3,48,802 | . | 93,545 | | 2,33,45,776 | | 1,83,58,622 |
| Government Stores ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 41,781 | ... | 27,792 | .. | ... | ... | . | | 610 | | 1,662 |
| Do. Treasure ... .. ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | .. | .. |
| Total ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 41,781 | ... | 27,792 | ... | ... | ... | ... | ... | 610 | .. | 1,662 |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897–98 *and* 1898–99—continued.

| Articles. | China. | | | | Japan. | | | | Persia. | | | | Straits Settlements. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 |
| INDIAN PRODUCE AND MANUFACTURES —*cont.* | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | ... | .. | . | .. | ... | ... | | .. | ... | .. | | | | | 1,270 |
| Drugs, Medicines and Narcotics (excluding Chemicals)— | | | | | | | | | | | | | | | | |
| Drugs and medicines ... Val. | .. | 314 | .. | .. | .. | | | | . | 100 | | | | 4,105 | | 7,169 |
| Tobacco— | | | | | | | | | | | | | | | | |
| Unmanufactured ... lb. | ... | ... | .. | . | . | . | . | | . | | | | 1,142,671 | 1,47 450 | 910 857 | 1 31,150 |
| Manufactured ... ,, | 3,075 | 3,205 | 2,671 | 3,631 | 3 | 3 | 300 | 495 | 4,67 6 | 6,978 | 890 | 1,106 | 100,126 | 51 103 | 140 05 | 75,7 6 |
| Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | |
| Indigo ... ... .. ... Cwt. | 1b. 30 | 60 | . | .. | 12,902 | 28,04,051 | 14,084 | 29,53,881 | 270 | 59,987 | 325 | 71,649 | 705 | 1,57,4 1 | 9 4 | 2,15 650 |
| Myrabolams ... ... ... ,, | ... | .. | .. | ... | . | . | ... | | | | | | | | 14 | 70 |
| Turmeric ... ... ... ... ,, | ... | ... | .. | ... | | . | .. | | 13 | 127 | | | 160 | 1,464 | 525 | 5 076 |
| Other kinds ... ... ... ,, | ... | ... | ... | ... | . | ... | ... | ... | | | | | 5 | 112 | 9 | 214 |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials ... | ... | 3.579 | ... | 3,631 | . | 28,04,054 | .. | 29,54,376 | . | 67,192 | .. | 72,815 | | 3 61,715 | | 4,32 507 |
| . Oils— | | | | | | | | | | | | | | | | |
| Essential ... ... ... ... Gals. | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | | | |
| Vegetable, not essential ... { ,, / Cwt. | ... | ... | ... | ... | ... | . | ... | .. | .. | . | ... | . | 3,649 | 5,087 | 10,507 | 13,566 |
| | ... | ... | ... | ... | ... | .. | ... | .. | | .. | | | 3,718 | 14,692 | 4 | 16 |
| All other sorts ... ... ... Gals. | ... | ... | ... | ... | ... | . | ... | ... | . | | | | | | . | |
| Total of Oils ... { Gals. / Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | | ... | . | | 3,649 | 5,087 | 10,507 | 13,566 |
| | ... | ... | ... | ... | ... | ... | ... | | | . | | | 3,718 | 14,692 | 4 | 16 |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | |
| Cotton ... ... ... ... Cwt. | 4,475 | 1,11,400 | 34,153 | 7,46,116 | 162,811 | 45,08,847 | 292,680 | 62,79,651 | . | . | .. | . | 126 | 3,007 | 31 | 276 |
| Gums and resins (excluding Cutch and Gambier) ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | .. | . | .. | | 1 20 |
| Hemp ... ... ... ... ,, | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | .. | | .. | | .. |
| Hides and Skins— | | | | | | | | | | | | | | | | |
| Hides, raw ... ... { Cwt. / No. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | 14 / 150 | 469 | . | .. |
| Skins, raw ... ... { Cwt. / No. | ... | ... | ... | ... | 65 / 2,913 | 4,635 | 24 / 270 | 825 | .. | . | ... | | 149 / 19.170 | 5.914 | lb. 12 / 250 | 5 |
| Horns ... ... ... ... Cwt. | ... | ... | ... | ... | 4 | 225 | ... | ... | ... | ... | ... | ... | 79 | 1,935 | . | . |
| Jewellery— | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset ... ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manures— | | | | | | | | | | | | | | | | |
| Animal bones ... ... ... Tons | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | .. |
| Other kinds (except oil-cake) ,, | ... | ... | ... | ... | ... | ... | ... | | .. | ... | ... | ... | ... | . | | ... |
| Seeds— | | | | | | | | | | | | | | | | |
| Essential ... ... ... Cwt. | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | 8.769 | 64.853 | 6,371 | 49,942 |
| Other than essential— | | | | | | | | | | | | | | | 5 | 32 |
| Castor ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | 32 | 96 | 111 | 261 |
| Cotton ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 13,843 | 68,683 | 5,361 | 27,116 |
| Earthnut ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Linseed ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 201 | 1,811 | 173 | 1,114 |
| Mustard ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Poppy ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 76 | 480 |
| Rape ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tea ... ... ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 113 | 900 | ... | ... |
| Til or jinjili ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 | 75 | 3 | 24 |
| Other sorts ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 47 | 3,760 |
| Wax (excluding candles) ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | .. | . |
| Wood— | | | | | | | | | | | | | | | | | | |
| Teak and other kinds ... ... | Val. | ... | 48,531 | ... | 8,655 | ... | ... | ... | ... | ... | ... | ... | 244 | ... | 1,008 | 126 | .. | . |
| Wool ... ... ... ... ... | lb. | ... | ... | ... | ... | 500 | 25 | ... | ... | ... | ... | ... | ... | ... | ... | 3,07,776 | ... | 3,28,037 |
| All other articles, unenumerated. | Val. | ... | 49,724 | ... | 46,075 | ... | 35 | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| Total value of Raw Materials and Unmanufactured Articles ... ... | | ... | 2,09,655 | ... | 8,00,846 | ... | 45,13,767 | ... | 62,80,476 | ... | ... | ... | 244 | ... | 4,55,475 | ... | | 4,11,083 |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... | lb. | 5,786,542 | 21,52,162 | 4,702,840 | 16,66,460 | 6,000 | 1,800 | ... | ... | ... | ... | ... | ... | 12,014 | 4,805 | 640 | | 533 |
| Manufactures— | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... ... | Yds. | 3,109,748 | 3,88,141 | 2,537,409 | 2,78,155 | ... | ... | ... | ... | ... | ... | ... | ... | 5,215,097 | 18,54,089 | 6,390,047 | | 25,94,189 |
| Other sorts .. ... ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 68 | ... | ... | ... | 1,410 | ... | | 6,769 |
| Jute— | | | | | | | | | | | | | | | | | | |
| Manufactures— | | | | | | | | | | | | | | | | | | |
| Gunny bags ... ... | No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Other kinds ... ... | Val. | ... | ... | ... | .... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Silk goods ... ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 73,464 | ... | | 1,48,645 |
| Woollen goods ... ... | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | 178 |
| Other articles, unenumerated. | ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | |
| Total value of Yarns and Textile Fabrics ... ... ... ... | | ... | 25,40,303 | ... | 19,44,615 | ... | 1,800 | ... | ... | ... | 68 | ... | ... | ... | 19,67,79 | ... | | 15,50,314 |
| B. Apparel— | | | | | | | | | | | | | | | | | | |
| Apparel (including, drapery haberdashery, millinery uniforms, accoutrements, but excluding hosiery) ... ... ... ... | Val. | ... | 102 | ... | 280 | ... | 20 | ... | ... | ... | ... | ... | ... | ... | 4,348 | ... | | 11,859 |
| Boots and shoes ... ... ... | Pairs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 33 | 89 | 66 | | 88 |
| Total value of Apparel ... | | ... | 102 | ... | 280 | ... | 20 | ... | ... | ... | ... | ... | ... | ... | 4,437 | .. | | 11,987 |
| C. Other articles— | | | | | | | | | | | | | | | | | | |
| Cabinetware and furniture ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 433 | . | | 1,251 |
| Coir manufactures ... ... | Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | 50 | 250 | 5 | 20 | 62 | 511 | 154 | | 1,591 |
| Hides and Skins— | | | | | | | | | | | | | | | | | | |
| Hides, dressed or tanned ... | Cwt. | ... | ... | ... | ... | 50 | 2,805 | ... | ... | ... | ... | ... | ... | ... | .. | . | | |
| | No. | ... | ... | ... | ... | 950 | | | | | | | | | | | | |
| Skins, dressed or tanned... | Cwt. | 9 | 1,038 | ... | ... | 4,129 | 4,79,762 | 2,147 | 2,38,172 | ... | ... | ... | ... | 3,224 | 3,70,394 | 3,114 | | 3,46,925 |
| | No. | 2,325 | | | | 606,737 | | 353,734 | | | | | | 675,173 | | 629,856 | | |
| Jewellery (excluding precious stones and pearls, unset) ... | Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 370 | .. | | 2,461 |
| All other articles, unenumerated | ,, | ... | 438 | ... | 348 | ... | 6,126 | ... | 9,180 | ... | 192 | ... | 150 | . | 34,241 | | | 44,220 |
| Total value of Other Articles ... | | ... | 1,476 | ... | 348 | ... | 4,88,693 | ... | 2,47,352 | ... | 442 | ... | 170 | . | 4,05,949 | . | | 5,06 448 |
| Total value of Articles Manufactured and partly Manufactured ... ... ... ... | | ... | 25,41,881 | ... | 19,45,243 | ... | 4,90,513 | ... | 2,47,352 | ... | 510 | .. | 170 | .. | 23,74,184 | .. | | 20,58,749 |
| Indian produce and manufactures. | Dutiable ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3,093 | ... | 628 | .. | 34,149 | | | 30,550 |
| | Free ... | ... | 27,59,539 | ... | 27,62,180 | ... | 78,08,359 | ... | 94,82,234 | ... | 1,77,432 | ... | 99,657 | | 35,76,748 | | | 46,01,435 |
| Total ... | | ... | 27,59,539 | ... | 27,62,180 | ... | 78,08,359 | ... | 94,82,234 | ... | 1,80,525 | ... | 1,00,285 | ... | 36,10,897 | | | 46,31,785 |
| Total of Foreign and Indian ... | | ... | 27,60,551 | ... | 27,65,467 | ... | 78,08,359 | ... | 94,82,244 | ... | 1,80,525 | ... | 1,00,285 | . | 36,60,646 | | | 49,71,193 |
| Treasure ... Gold ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| Silver ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 300 | | | . |
| Total ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 300 | | | |
| Grand Total ... | | .. | 27,60,551 | ... | 27,65,467 | ... | 78,08,359 | ... | 94,82,244 | ... | 1,80,525 | .. | 1,00,285 | ... | 36,60,946 | | | 49,71,193 |
| Government Stores ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | 20,204 | | | 28,482 |
| Treasure ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | ... |
| Total ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20,204 | ... | | 28,482 |

(53)—*Statement showing the quantities and value of the principal and other articles of foreign merchandise and of Indian produce and manufactures and value of treasure exported to foreign countries from the Presidency of Madras during the official years* 1897-98 *and* 1898-99—continued.

| Articles. | Turkey in Asia. | | | | Other countries in Asia. | | | | Victoria. | | | | Other countries. | | | | Total. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | | 1897-98. | | 1898-99. | |
| | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. | Q. | V. |
| | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 |
| INDIAN PRODUCE AND MANUFACTURES —*cont.* | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| IV. Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Chemicals ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | | ... | | | 18,747 | | 21,716 |
| Drugs, Medicines and Narcotics (excluding Chemicals)— | | | | | | | | | | | | | | | | | | | | |
| Drugs and medicines ... Val. | ... | 212 | ... | 254 | ... | 20 | ... | 76 | ... | ... | .. | ... | .. | 12,715 | | 1,236 | | 10,49,505 | | 6,97,950 |
| Tobacco— | | | | | | | | | | | | | | | | | | | | |
| Unmanufactured ... lb. | ... | ... | ... | ... | ... | ... | 2,352 | 315 | ... | . | .. | ... | 4,314 | 1,605 | 9,808 | 3,750 | 1,78,164 | 1,[illegible],44 | 1,00,887 | 1,26,730 |
| Manufactured ... ... ,, | 1,478 | 732 | 970 | 602 | 350 | 350 | 175 | 175 | 1,355 | 1,777 | 1,642 | 3,599 | 25,062 | 41,912 | 19,897 | 84,748 | 4,0[illegible] | 4,[illegible]46 | 4,[illegible]9 | 5,[illegible]80 |
| Dyeing and Tanning Materials— | | | | | | | | | | | | | | | | | | | | |
| Indigo ... ... ... ... Cwt. | 2,430 | 5,44,307 | 2,007 | 4,43,544 | ... | ... | ... | ... | .. | .. | ... | .. | 77 | 16,031 | 60 | 11,860 | 48,167 | 1,[illegible],447 | [illegible] | [illegible] |
| Myrabolams ... ... ... ,, | 40 | 200 | ... | ... | ... | ... | 3 | 18 | ... | ... | ... | ... | | | 2 | 8 | 6[illegible]4 | [illegible] | 117[illegible] | [illegible] |
| Turmeric ... ... ... ,, | 102 | 840 | 649 | 7,145 | 3 | 22 | 6 | 66 | .. | ... | ... | ... | 126 | 1,069 | 592 | 2,515 | 7,477 | [illegible] | [illegible] | [illegible] |
| Other kinds ... ... ... ,, | 146 | 438 | 208 | 950 | ... | ... | ... | ... | ... | ... | ... | ... | 8 | 194 | 59 | 1,2[illegible]5 | 17[illegible]5 | [illegible],47 | [illegible] | [illegible]66 |
| Total value of Chemicals, Drugs, Medicines and Narcotics, and Dyeing and Tanning Materials .. | ... | 5,46,729 | ... | 4,52,495 | ... | 392 | ... | 650 | ... | 1,777 | ... | 3,599 | ... | 73,526 | . | 55,1[illegible]9 | | 1,26,1[illegible],8[illegible]9 | | 1,1[illegible],00,191 |
| V. Oils— | | | | | | | | | | | | | | | | | | | | |
| Essential ... ... ... ... Gals. | ... | ... | ... | ... | 1 | 66 | ... | ... | ... | ... | ... | ... | | | | | 6,[illegible]90 | 1,[illegible]8,775 | 1,[illegible]78 | [illegible],745 |
| Vegetable, not essential ... { ,, | 1,586 | 1,616 | 2,090 | 2,090 | 159 | 185 | 193 | 234 | ... | . | 1,176 | 1,223 | | | 681 | 881 | 1,[illegible]47,470 | 16[illegible] | 1,[illegible]0,[illegible]14 | [illegible],[illegible]71 |
| { Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | ... | | | | 24[illegible] | 7[illegible],[illegible]1 | [illegible]81 | 7[illegible],[illegible]0 |
| All other sorts ... ... ... Gals. | 135 | 59 | ... | ... | ... | ... | ... | ... | .. | ... | ... | | | . | | | 1,[illegible]5 | [illegible] | | |
| Total of Oils ... { Gals. | 1,721 | 1,675 | 2,090 | 2,090 | 160 | 251 | 193 | 234 | ... | ... | 1,176 | 1,223 | . | . | 681 | 881 | 1,[illegible],[illegible]40 | 17[illegible] | 1,[illegible]97 | [illegible],[illegible]16 |
| { Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | | 249,080 | 7,[illegible],[illegible]3 | 20[illegible]11 | [illegible],[illegible]80 |
| VI. Raw Materials and Unmanufactured Articles— | | | | | | | | | | | | | | | | | | | | |
| Cotton ... ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 900 | 27,000 | 4,050 | 9,100 | 323,516 | 85,23,961 | 611,058 | 1,[illegible],[illegible]804 |
| Gums and resins (excluding Cutch and Gambier) ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 25 | 544 | 9,[illegible]84 | 1,[illegible]68 | [illegible],[illegible]16 |
| Hemp ... ... ... ... ,, | 26 | 212 | 35 | 400 | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | . . | . . | 5,679 | 59,[illegible]26 | 19,471 | 1,40,275 |
| Hides and Skins— | | | | | | | | | | | | | | | | | | | | |
| Hides, raw ... ... ... { Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | { 87 | { 5,[illegible]04 | { [illegible]9 | { 3,[illegible]96 |
| { No. | | | | | | | | | | | | | | | | | { 9[illegible]8 | { [illegible],[illegible]40 | { [illegible],[illegible]0 | { [illegible],[illegible]0 |
| Skins, raw ... ... ... { Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | { 4 | 900 | { 276 | { 14,780 | { 6,[illegible]35 | { 4,66,066 |
| { No. | | | | | | | | | | | | | | | { 90 | | 25,[illegible]05 | 3[illegible],[illegible]97 | [illegible],[illegible]97 | [illegible],[illegible]0 |
| Horns ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5,866 | 1,59,201 | [illegible],[illegible]90 | 1,98,886 |
| Jewellery— | | | | | | | | | | | | | | | | | | | | |
| Precious stones and pearls, unset ... ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,207 | | 2,982 |
| Manures— | | | | | | | | | | | | | | | | | | | | |
| Animal bones ... ... ... Tons | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4,352 | 1,55,[illegible]72 | 3,705 | 1,83,770 |
| Other kinds (except oil-cake) ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 43 | 2,122 | 27 | 1,196 |
| Seeds— | | | | | | | | | | | | | | | | | | | | |
| Essential ... ... ... ... Cwt. | ... | ... | ... | ... | 8 | 40 | 16 | 156 | 44 | 404 | ... | ... | 90 | 946 | 340 | 3,332 | 32,077 | 2,[illegible],114 | [illegible],[illegible]74 | 5,8[illegible],059 |
| Other than essential— | | | | | | | | | | | | | | | | | | | | |
| Castor ... ... ... Cwt. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 38 | 263 | ... | ... | 200,[illegible]24 | 14,20,[illegible]05 | 2[illegible],[illegible]40 | 16,[illegible],[illegible]89 |
| Cotton ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20,[illegible]35 | 7[illegible],[illegible]07 | 21,[illegible]49 | 54,[illegible]18 |
| Earthnut ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 24,579 | 1,36,751 | 10,[illegible]96 | 48,879 |
| Linseed ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Mustard ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 | 120 | 23 | 150 | 3,059 | 24,433 | 13,308 | [illegible],[illegible]14 |
| Poppy ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 19 |
| Rape ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] 6 | [illegible] 48 | ... | ... | 8,103 | 46,[illegible]4 | 57,222 | 3,06,144 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tea ... ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | ... | ... | ... | 4 | ... | 24 | 1,200 | 45 | 5,955 |
| Til or jinjili ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 19 | 222,152 | 16,57,649 | 246,022 | 16,82,826 |
| Other sorts ... ... ... ,, | ... | ... | 2 | ... 20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 11 | 2,016 | 13 298 | 2,094 | 14,872 |
| Wax (excluding candles) ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 245 | 21,543 | 314 | 27,977 |
| Wood— | | | | | | | | | | | | | | | | | | | | | |
| Teak and other kinds ... ... Val. | ... | 40,340 | ... | 31,955 | ... | 970 | ... | 497 | ... | ... | ... | ... | ... | ... | ... | . | | | | | 5,62,0.0 |
| Wool ... ... ... ... ... lb. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 585,919 | | 746,652 | 71,0.8 |
| All other articles, unenumerated ... Val. | ... | 17,970 | ... | 22,625 | ... | 1,676 | ... | 1,291 | ... | ... | ... | 120 | ... | 447 | .. | 8,900 | | .. | 19,57,5 | . | 24,07,040 |
| Total value of Raw Materials and Unmanufactured articles ... ... | ... | 58,522 | ... | 55,000 | ... | 2,686 | ... | 1,944 | ... | 404 | ... | 120 | ... | 28,924 | ... | 1,02,437 | | | 1,50,93,859 | . | 2,1 ,43,718 |
| VII. Articles Manufactured and partly Manufactured— | | | | | | | | | | | | | | | | | | | | | |
| A. Yarns and Textile Fabrics— | | | | | | | | | | | | | | | | | | | | | |
| Cotton— | | | | | | | | | | | | | | | | | | | | | |
| Twist and yarn ... ... lb. | 28 | 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | 5,98,171 | 22,0 .281 | 4,824,167 | 17,3 170 |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | |
| Piece-goods ... ... Yds. | 4,400 | 1,420 | 1,960 | 920 | 19,128 | 2,615 | 124232 | 18,602 | 651 | 488 | ... | ... | 171,273 | 66,8 6 | 166,224 | 59.1 9 | | 16, 4.81 | 46,5 772 | 16,0 0 74 | 47 10,5 3 |
| Other sorts ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 6,100 | . | 7,07 | | | 5,7 | | 6,10 .01 |
| Jute— | | | | | | | | | | | | | | | | | | | | | |
| Manufactures— | | | | | | | | | | | | | | | | | | | | | |
| Gunny bags ... ... No. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | | . | | 7 76 | 1,0 8 | 1,126 | 8 |
| Other kinds ... ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | ( ) | | 5 14 |
| Silk goods ... ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6,068 | | 9 | | | 1,0 4 | | 1 78 |
| Woollen goods ... ... ,, | ... | ... | ... | ... | ... | ... | ... | ... | .. | 50 | ... | 150 | ... | 81 | | 218 | | | 4 | | 3,1 1 9 |
| Other articles, unenumerated. ,, | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | . | ... | | | | | | 6 | | 1.5 |
| Total value of Yarns and Textile Fabrics, ... ... ... ... | ... | 1,430 | ... | 920 | ... | 2,615 | ... | 18,602 | ... | 538 | ... | 150 | ... | 79,08 | | 67,782 | | | 7 8 6 | | 75 1 9 |
| B. Apparel— | | | | | | | | | | | | | | | | | | | | | |
| Apparel (including, drapery, haberdashery, millinery uniforms, accoutrements, but excluding hosiery) ... ... ... Val. | ... | ... | ... | 18 | ... | 750 | ... | ... | ... | 150 | ... | 378 | ... | 17,163 | | 17,180 | | | 2,1 ,810 | . | 1 66 745 |
| Boots and shoes ... ... Pairs | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 80 | 80 | 89 | 118 | | ... 5 | 1 67 | 1,2 0 | 2,0 1 |
| Total value of Apparel ... | ... | ... | ... | 18 | ... | 750 | ... | ... | ... | 150 | ... | 378 | ... | 17,245 | .. | 17,298 | | | 2, 477 | | 1,69,956 |
| C. Other Articles— | | | | | | | | | | | | | | | | | | | | | |
| Cabinetware and furniture ... Val. | ... | ... | ... | ... | ... | 9 | ... | 20 | ... | ... | ... | 80 | ... | 320 | . | 104 | | | 17,7 8 | | 12 861 |
| Coir manufactures ... ... Cwt. | 19 | 185 | ... | ... | ... | ... | 8 | 46 | ... | ... | 1 | 5 | ... | .. | . | | | 25 ,212 | 23.7 ,1.6 | 292,072 | 27,58 .66 |
| Hides and Skins— | | | | | | | | | | | | | | | | | | | | | |
| Hides, dressed or tanned { Cwt. / No. | { 7 / 68 } | 400 | { 34 / 1,615 } | 2,127 | ... | ... | ... | ... | ... | ... | ... | ... | { 65 / 735 } | 3,653 | . | .. | | { 177,118 / 2,242,510 | { 86 4,5 6 / 1,76 ,1 5 | { 109 401 / 1,76 ,1 5 | { 66 8 7 8 |
| Skins, dressed or tanned { Cwt. / No. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | { 5 / 500 } | 500 | .. | ... | | { 156 191 / 16,842,565 | { 2,2 6, 5 / 12 ,0 2 | { 14 ,407 / 12 ,0 2 | { 1,78,43,057 |
| Jewellery (excluding precious stones and pearls, unset) ... Val. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 | ... | 5,342 | .. | 2,000 | | | 7 18 | | 2,08 256 |
| All other articles, unenumerated ,, | ... | 19,427 | ... | 32,497 | ... | 771 | ... | 8,731 | ... | 164 | ... | 156 | ... | 5,154 | .. | 22,070 | | | 5,1 0 1 | | 5,01 2 |
| Total value of Other Articles ... | ... | 20,012 | ... | 34,624 | ... | 780 | ... | 8,797 | ... | 164 | ... | 256 | .. | 14,949 | | 24,754 | | | 5 9,87,7 | | 2 4 ,10 |
| Total value of Articles Manufactured and partly Manufactured ... ... ... | ... | 21,442 | ... | 35,562 | ... | 4,145 | ... | 27,399 | ... | 852 | ... | 784 | ... | 1,11,276 | | 1,09,8 4 | .. | | 4,21, 45 | | 3 71 74 415 |
| Indian produce and manufactures. { Dutiable / Free } ... | ... | 17,685 | ... | 2,810 | ... | 7,380 | ... | 7,262 | ... | ... | ... | ... | ... | 320 | | 2,257 | . | | 1,97 7 | | 77 |
| | ... | 9,52,535 | ... | 6,89,216 | ... | 24,705 | ... | 33,135 | ... | 1,42,768 | ... | 1,48,503 | ... | 3,21,337 | . | 4,21,515 | | | 10,07, ,1 4 | | 16 4 |
| Total ... | ... | 9,70,220 | ... | 6,92,026 | ... | 32,085 | ... | 40,397 | ... | 1,42,768 | ... | 1,48,503 | . | 3,21,657 | . | 4,23,772 | | | 11,5 6,0 0 | | 11,11 0 |
| Total of Foreign and Indian ... | .. | 9,70,292 | ... | 6,92,026 | ... | 32,594 | ... | 43,550 | ... | 1,42,788 | ... | 1,51,753 | ... | 3,22,529 | .. | 4,26,006 | | | 11,41 7,84 | | 11,1 |
| Treasure ... { Gold / Silver } ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | . | | | | | |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | | 5 1 | | 94 |
| Total ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | . | | | 5 1 | | 25 |
| Grand Total ... | ... | 9,70,292 | ... | 6,92,026 | ... | 32,594 | ... | 43,550 | ... | 1,42,788 | ... | 1,51,753 | ... | 3,22,529 | .. | 4,26,006 | | | 11,4 8 1 | | 1 4 1 |
| Government { Stores / Treasure } ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 390 | ... | | 1,56,274 | | 1,5 4 |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | |
| Total ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... | ... | ... | ... | ... | 390 | .. | | 1,56,274 | . | 69 874 |

## C.—TRADE—*continued.*

(54.)—*Statement of customs duty collected on the principal and other articles of merchandise, subject to duty on imports or exports at ports in the Presidency of Madras, during the official years* 1897-98 *and* 1898-99.

| Articles. | Amount of duty collected. | | | |
|---|---|---|---|---|
| | 1897-98. | | 1898-99. | |
| | Gross. | Net. | Gross. | Net. |
| | Rs. | Rs. | Rs. | Rs. |
| **IMPORTS.** | | | | |
| *Special rates of duty.* | | | | |
| Arms, ammunition, and military stores | 51,908 | 13,775 | 36,205 | 6,893 |
| Liquors— | | | | |
| Ale, beer and porter | 25,952 | 25,895 | 30,672 | 30,672 |
| Spirits and liqueurs | 10,18,419 | 10,17,653 | 8,86,823 | 8,86,462 |
| Wines | 54,842 | 54,813 | 49,230 | 49,230 |
| Other sorts | 29 | 29 | 2 | 2 |
| Opium | 274 | 274 | 175 | 175 |
| Salt | 10,342 | 10,342 | 16,088 | 16,088 |
| Salted fish | 7,211 | 7,211 | 7,619 | 7,619 |
| *General duties.* | | | | |
| Articles of food and drink— | | | | |
| Coffee | 524 | 524 | 110 | 110 |
| Fruits and vegetables | 24,029 | 24,029 | 5,604 | 5,604 |
| Mineral and aerated waters and all unfermented and non-alcoholic beverages | 87 | 87 | 187 | 187 |
| Provisions, oilman's stores, and groceries | 55,373 | 55,322 | 54,056 | 54,055 |
| Spices | 1,16,067 | 1,16,022 | 1,34,536 | 1,34,535 |
| Sugar, including saccharine produce of all kinds and confectionery. | 6,183 | 6,182 | 7,107 | 7,107 |
| Tea | 660 | 660 | 1,258 | 1,258 |
| Chemical products and preparations | 66,997 | 66,987 | 76,640 | 76,458 |
| Drugs, medicines and narcotics | 52,282 | 52,241 | 53,614 | 53,561 |
| Dyeing and tanning materials | 10,503 | 10,503 | 14,495 | 14,484 |
| Metals and manufactures of metals— | | | | |
| Hardware and cutlery | 70,689 | 69,516 | 74,782 | 74,703 |
| Metals— | | | | |
| Copper | 24,828 | 24,804 | 12,085 | 12,085 |
| Iron | 33,719 | 33,700 | 25,462 | 25,433 |
| Silver bullion or coin, &c. | 3,980 | 3,967 | 2,316 | 2,316 |
| Steel | 5,938 | 5,875 | 5,366 | 5,353 |
| Tin | 19,708 | 19,708 | 7,815 | 7,786 |
| Other metals and manufactures of metals (including machinery and component parts thereof) | 93,318 | 90,170 | 50,048 | 50,031 |
| Oils— | | | | |
| Petroleum | 4,32,763 | 4,32,634 | 4,12,875 | 4,12,875 |
| Other sorts | 27,190 | 27,190 | 17,991 | 17,991 |
| Other articles, unmanufactured and manufactured— | | | | |
| Apparel, &c. | 87,031 | 86,937 | 1,01,245 | 1,01,207 |
| Cotton, articles made of— | | | | |
| Piece-goods— | | | | |
| Grey | 3,27,405 | 3,25,552 | 2,34,063 | 2,32,056 |
| White | 1,40,479 | 1,40,369 | 82,116 | 78,891 |
| Coloured, &c. | 1,63,030 | 1,62,334 | 1,44,126 | 1,43,964 |
| Other goods | 490 | 490 | 830 | 830 |
| Other sorts of manufactures | 858 | 858 | 857 | 857 |
| Paints and colours, painter's materials, &c. | 11,434 | 11,424 | 13,443 | 13,443 |
| Paper, pasteboard, &c. | 23,391 | 23,391 | 26,231 | 26,231 |
| Silk, raw and manufactured | 4,489 | 4,489 | 6,125 | 6,125 |
| Stationery | 21,135 | 21,135 | 20,039 | 20,039 |
| Umbrellas | 3,776 | 3,776 | 3,155 | 3,155 |
| Wood and timber and articles made of wood | 7,567 | 7,529 | 6,881 | 6,875 |
| Woollen goods | 23,318 | 23,029 | 26,724 | 26,724 |
| Imports by post | 5,465 | 5,465 | 7,262 | 7,262 |
| All other articles not enumerated | 2,21,257 | 2,19,875 | 2,14,544 | 2,12,817 |
| Total Duty on Imports ... Including Salt | 32,54,940 | 32,06,766 | 28,70,752 | 28,33,549 |
| Total Duty on Imports ... Excluding Salt | 32,44,598 | 31,96,424 | 28,54,664 | 28,17,461 |
| **EXPORTS.** | | | | |
| Grain and pulse— | | | | |
| Rice (in the husk) | 74,063 | 73,257 | 1,01,816 | 1,01,816 |
| Do. (not in the husk) | 6,69,692 | 6,67,526 | 3,78,385 | 3,75,772 |
| Total | 7,43,755 | 7,40,783 | 4,80,201 | 4,77,588 |

## C.—TRADE—*continued.*

55 —*Statement showing the total value of merchandise distinguished by countries from foreign and treasure imported and exported coastwise into, and from, the Presidency of Madras in the official years* 1897–98 *and* 1898–99.

| Ports. | Merchandise. | | | | | | Treasure. | |
|---|---|---|---|---|---|---|---|---|
| | Country. | | Foreign. | | Total. | | | |
| | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. | 1897-98. | 1898-99. |
| IMPORTS. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| From Bengal ... ... ... | 97,55,343 | 1,44,1[illegible]040 | 15,16,971 | 12,02,741 | 1,12,72,314 | 1,56,1[illegible]781 | 66,800 | 10,000 |
| ,, Bombay ... ... ... | 1,19,27,975 | 1,20,80,746 | 82,94,638 | 77,63,944 | 2,02,22,613 | 1,98,44,690 | 5,36,731 | 1,71,443 |
| ,, Sind ... | 1,56,632 | 2,96,852 | 10,096 | 7,391 | 1,66,728 | 3,04,223 | ... | ... |
| ,, Burma ... | 99,63,109 | 99,48,759 | 58,735 | 93,848 | 1,00,21,844 | 1,00,37,607 | 4,500 | ... |
| From British ports in other Presidencies, Total ... ... ... | 3,18,33,059 | 3,67,34,377 | 1,08,80,440 | 90,67,924 | 4,17,13,199 | 4,58,02,301 | 4,08,031 | 1,81,493 |
| From British ports within the Presidency ... ... ... ... | 1,58,23,404 | 1,62,65,780 | 19,31,544 | 18,20,728 | 1,77,54,948 | 1,80,86,508 | 3,57,340 | 6,17,200 |
| From Cochin ... ... ... | 16,273 | 21,797 | | | 16,273 | 21,797 | | ... |
| ,, Cutch ... ... ... ... | 1,970 | 3,720 | ... | 3 | 1,970 | 3,723 | 1,700 | 2,844 |
| ,, Diu ... ... ... ... ... | ... | | ... | | | | ... | ... |
| ,, Foreign Konkan ... ... ... | | 651 | ... | | | 651 | | ... |
| ,, Goa ... ... ... ... ... | 3,58,888 | 3,92,666 | 1,431 | 1,222 | 3,60,319 | 3,93,888 | 68,444 | 40,726 |
| ,, Gaekwar's Territories ... ... | 28,276 | 27,035 | | ... | 28,276 | 27,035 | ... | ... |
| ,, Kárikál ... ... ... ... | 110 | 5,395 | 606 | 30 | 716 | 5,425 | ... | 4,000 |
| ,, Kattywar ... ... ... | 1,54,413 | 1,36,076 | 703 | | 1,55,116 | 1,36,076 | 200 | ... |
| ,, Mahé ... ... ... ... | 1,384 | ... | 10,924 | 8,684 | 12,308 | 8,684 | ... | ... |
| ,, Pondicherry ... ... ... | 913 | 6,276 | 5,668 | 4,981 | 6,581 | 11,257 | ... | ... |
| ,, Travancore ... ... ... | 1,54,608 | 2,20,713 | 310 | 30 | 1,54,918 | 2,20,743 | 1,06,000 | ... |
| From Indian ports not British, Total. | 6,96,835 | 8,14,329 | 19,642 | 14,950 | 7,16,477 | 8,29,279 | 1,70,344 | 47,570 |
| All Ports, Total ... | 4,83,53,298 | 5,41,14,486 | 1,18,31,626 | 1,09,12,692 | 6,01,84,924 | 6,50,27,088 | 9,15,715 | 8,46,263 |
| Government Stores and Treasure ... | 16,41,879 | 9,23,786 | 8,69,197 | 6,53,405 | 25,11,076 | 15,77,191 | 56,000 | 10,500 |
| EXPORTS. | | | | | | | | |
| To Bengal ... ... ... ... | 67,49,094 | 90,60,277 | 1,48,548 | 3,40,040 | 68,97,642 | 94,00,317 | 471 | 16,000 |
| ,, Bombay ... ... ... ... | 1,23,40,156 | 1,03,96,206 | 82,719 | 55,123 | 1,24,22,875 | 1,04,51,419 | 23,500 | 1,150 |
| ,, Sind ... ... ... ... | 1,87,306 | 1,80,802 | 19,787 | 3,131 | 2,07,093 | 1,83,933 | ... | ... |
| ,, Burma ... ... ... ... | 83,90,016 | 91,31,515 | 1,95,508 | 1,49,305 | 85,85,524 | 92,80,820 | 1,44,597 | ... |
| To British ports in other Presidencies, Total ... ... ... | 2,76,66,572 | 2,87,68,800 | 4,46,562 | 5,47,599 | 2,81,13,134 | 2,93,16,489 | 1,68,568 | 17,450 |
| To British ports within the Presidency ... ... ... ... ... | 1,59,81,638 | 1,64,95,203 | 19,82,200 | 16,42,778 | 1,79,63,838 | 1,81,37,981 | 4,48,600 | 6,07,150 |
| To Cochin ... ... ... ... ... | 1,76,631 | 16,51,499 | 4,956 | 2,391 | 1,81,587 | 16,53,890 | ... | ... |
| ,, Cutch ... ... ... ... ... | 4,69,516 | 4,43,325 | ... | ... | 4,69,516 | 4,43,325 | ... | ... |
| ,, Diu ... ... ... ... ... | 8,765 | 622 | ... | ... | 8,765 | 622 | ... | ... |
| ,, Foreign Konkan ... ... ... | ... | 2,010 | ... | ... | ... | 2,010 | ... | ... |
| ,, Goa ... ... ... ... ... | 8,81,877 | 5,60,829 | 2,137 | 744 | 8,84,014 | 5,61,573 | ... | ... |
| ,, Gaekwar's Territories ... ... | 2,016 | 577 | ... | ... | 2,016 | 577 | ... | ... |
| ,, Kárikál ... ... ... ... | 2,023 | 814 | ... | 170 | 2,023 | 984 | ... | ... |
| ,, Kattywar ... ... ... ... | 12,33,357 | 9,31,597 | ... | ... | 12,33,357 | 9,31,597 | ... | ... |
| ,, Mahé ... ... ... ... ... | 1,804 | 960 | ... | ... | 1,804 | 960 | ... | ... |
| ,, Pondicherry ... ... ... ... | 1,12,834 | 68,623 | 55,115 | 67,064 | 1,67,949 | 1,35,687 | ... | ... |
| ,, Travancore ... ... ... ... | 16,38,328 | 3,87,494 | 16,456 | 11,468 | 16,54,784 | 3,98,962 | ... | ... |
| To Indian ports not British, Total | 45,27,151 | 40,48,350 | 78,664 | 81,837 | 46,05,815 | 41,30,187 | ... | ... |
| To all ports, Total ... | 4,81,75,361 | 4,93,12,443 | 25,07,426 | 22,72,214 | 5,06,82,787 | 5,15,84,657 | 6,17,168 | 6,24,600 |
| Government Stores and Treasure ... | 6,22,878 | 4,51,830 | 7,35,798 | 7,33,264 | 13,58,676 | 11,85,094 | 20,852 | 62,645 |

(56)—*Statment showing the number and tonnage of steam and sailing vessels, distinguishing their nationality, which entered and cleared with cargoes from, and to, foreign countries at the ports in the Presidency of Madras in the official year* 1898–99, *compared with the totals of the year* 1897–98.

| Countries. | | British. | | | | British Indian. | | | | French. | | | | Dutch. | | | | Arabian. | | | | German. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | 12 | | 13 | |
| | | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. |
| United Kingdom ... ... | Steam | 56 | 151,273 | 72 | 143,063 | ... | ... | ... | ... | ... | ... | 1 | 2,844 | ... | ... | .. | . | | | | | | | 2 | 6,,6 |
| | Sailing | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | | .. | | | | | | | | | |
| Austria-Hungary ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | .. | | . | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . | . | | | | . | | | | | |
| France ... ... ... | Steam | ... | ... | 6 | 14,240 | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | .. | | | | .. | | . | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | | | | | | | | | |
| Belgium ... ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . . | | | | | 1 | 2,314 | . | . |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | ... | | | | .. | | | | | |
| Germany ... ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | | | | | 24 | 62,,15 | 3 | 8,213 |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | | | | | | | | |
| Holland ... ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | | | | | | .. | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | . | . |
| Italy ... ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | | | | |
| Russia ... ... ... | Steam | 13 | 29,650 | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | .. | ... | . | | . | | | | | | | |
| | Sailing | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | . | | | | | | |
| Cape Colony ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | . | .. | . | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | .. | . | | | | | | | | |
| Africa (East Coast) ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 1 | 62 | .. | . | . | . | | | 5 | 781 | | | | |
| Mauritius ... ... | Steam | ... | ... | 4 | 8,306 | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | . | . | | | | | | | | |
| | Sailing | ... | ... | 5 | 2,393 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | | | | | | | | | |
| Réunion ... ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | . | | | | | | | | | |
| Natal ... ... ... | Steam | 1 | 1,022 | 8 | 8,782 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | . | | | |
| | Sailing | ... | ... | ... | .. | ... | ... | ... | .. | ... | ... | ... | | ... | . | . | | . | | | | | | | |
| Aden ... ... ... | Steam | ... | ... | 1 | 2,517 | ... | ... | ... | ... | ... | ... | . | . | . | | . | | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | .. | | . | | . | | | | | | | |
| Egypt ... ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | .. | | | | | | | | |
| | Sailing | 1 | 512 | 2 | 1,012 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | . | | | | | . | | | |
| United States ... ... | Steam | ... | ... | 9 | 18,508 | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | | | | | | | | |
| Arabia ... ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | .. | | | | | | | |
| | Sailing | ... | ... | ... | ... | 1 | 147 | ... | ... | 1 | 40 | ... | ... | .. | ... | ... | ... | . | 2 | 194 | 1 | 156 | | | |
| Japan ... ... ... | Steam | ... | ... | ... | ... | ... | ... | .. | . | ... | ... | ... | .. | ... | ... | ... | .. | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | |
| Ceylon ... ... ... | Steam | 204 | 301,303 | 501 | 254,112 | ... | ... | ... | ... | 12 | 15,168 | 12 | 15,168 | 1 | 1,566 | 1 | 1,566 | ... | ... | | | 2 | 5,757 | | |
| | Sailing | ... | ... | ... | ... | 418 | 42,190 | 561 | 58,362 | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | | | | | | |
| Maldives ... ... ... | Steam | ... | .. | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | 1 | 108 | ... | ... | ... | ... | ... | ... | ... | . | 1 | 56 | | | | | | |
| Mekran ... ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 244 | 3 | 204 | | | | |
| Persia ... ... ... | Steam | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | ... |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | 6 | 649 | 3 | 255 | | | | |
| Straits Settlements ... | Steam | 52 | 109,826 | 52 | 102,591 | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | 1 | 1,566 | . | | | | 1 | 5,312 | | |
| | Sailing | ... | ... | ... | ... | ... | ... | 1 | 319 | ... | . | . | .. | ... | . | . | | | | | | | | | |
| Turkey in Asia ... ... | Steam | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | ... | ... | ... | . | | | ... | | | | | | | |
| | Sailing | ... | ... | ... | ... | .. | ... | ... | ... | .. | ... | .. | ... | ... | . | . | | 6 | 689 | 1 | 108 | | | | |
| Australia ... ... | Steam | 5 | 11,466 | ... | .. | .. | ... | ... | ... | ... | ... | ... | .. | ... | . | . | | | | | | | | | |
| | Sailing | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | | | | | | | | | |
| Other countries in Asia ... | Steam | ... | ... | . | ... | .. | ... | ... | ... | .. | ... | . | . | 2 | 2,801 | ... | | | | | | 1 | 909 | | |
| | Sailing | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | |
| Total for 1898–99 ... | Steam | 631 | 604,540 | 653 | 552,119 | ... | ... | ... | ... | 12 | 15,168 | 13 | 17,012 | 3 | 4,367 | 2 | 3,132 | | | | | 29 | 74,807 | 5 | 14,919 |
| | Sailing | 1 | 512 | 7 | 3,395 | 419 | 42,337 | 563 | 58,789 | 1 | 40 | 1 | 62 | ... | . | .. | .. | 19 | 1,841 | 15 | 1,482 | | | | |
| Total for 1897–98 ... | Steam | 599 | 619,252 | 629 | 542,632 | ... | .. | . | . | 13 | 13,399 | 13 | 13,399 | | | | | | | | | 37 | 63,737 | 7 | 6,795 |
| | Sailing | 1 | 601 | 3 | 3,820 | 487 | 53,649 | 612 | 63,763 | .. | .. | ... | ... | ... | ... | ... | ... | 28 | 2,686 | 29 | 2,805 | 1 | 805 | | .. |

(56)—*Statement showing the number and tonnage of steam and sailing vessels, distinguishing their nationality, which entered and cleared with cargoes from, and to, foreign countries at the ports in the Presidency of Madras in the official year* 1898–99, *compared with the totals of the year* 1897–98—continued.

| Countries. | | Austro-Hungarian. | | | | Other Nationalities. | | | | Total, Foreign. | | | | Native Craft. | | | | Grand Total for 1898-99. | | | | Grand Total for 1897-98 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | |
| | | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | | 23 | | 24 | | 25 | |
| | | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. |
| United Kingdom | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 8,550 | ... | ... | ... | . | 56 | 151,273 | 75 | 151,613 | 87 | [illegible] | 88 | 1[illegible] |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | .. | | | | 1 | [illegible] | | |
| Austria-Hungary | Steam | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | ... | ... | ... | ... | | | . | | 1 | 1,[illegible] | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | | | | | | | |
| France | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | 6 | 14,240 | | | 9 | 19,510 |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | | |
| Belgium | Steam | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2,314 | ... | ... | ... | ... | ... | .. | 1 | 2,314 | | | | [illegible] | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | | |
| Germany | Steam | ... | ... | ... | ... | ... | ... | ... | ... | 24 | 62,515 | 3 | 8,213 | ... | ... | ... | ... | 24 | 62,515 | 3 | 8,215 | 15 | 54,..54 | 1 | 1,810 |
| | Sailing | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | |
| Holland | Steam | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| Italy | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| Russia | Steam | ... | ... | 1 | 1,019 | ... | ... | ... | . | ... | ... | 1 | 1,019 | .. | . | ... | | 13 | 29,650 | 1 | 1,10[illegible] | 11 | 27,[illegible] | | |
| | Sailing | .. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | ... | | | | | | | | | |
| Cape Colony | Steam | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | | .. | | | | | . | | |
| | Sailing | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | . | | | | | | | |
| Africa (East Coast) | Steam | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | 6 | 843 | ... | .. | 7 | 626 | . | | 15 | 1,469 | 1 | 1,172 | | |
| Mauritius | Steam | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | 4 | [illegible] | 1 | 2,[illegible] | 2 | 4,2[illegible] |
| | Sailing | ... | ... | .. | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | | | [illegible] | 2,[illegible] | | | 2 | [illegible] |
| Réunion | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | | | | | | | |
| Natal | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | | 1 | 1,022 | 8 | 8,782 | 2 | 2 0 7 | 7 | 7,449 |
| | Sailing | ... | ... | ... | ... | ... | .. | ... | .. | ... | . | ... | ... | ... | ... | .. | .. | . | | .. | | | | .. | |
| Aden | Steam | ... | ... | .. | ... | ... | ... | .. | . | ... | ... | ... | ... | ... | .. | ... | ... | | | 1 | 2,517 | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | .. | ... | .. | ... | | | | | | | | 2 | 233 |
| Egypt | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | | |
| | Sailing | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | 1 | 512 | 2 | 1 12 | | | | |
| United States | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | ... | | | | | | 9 | 18,[illegible] | 1 | [illegible] | 4 | 10 033 |
| | Sailing | ... | ... | ... | ... | ... | .. | ... | . | ... | .. | ... | ... | ... | | | | | | | | | | | |
| Arabia | Steam | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | ... | ... | | | | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 234 | 1 | 136 | ... | | | .. | 4 | 381 | 1 | 136 | 5 | [illegible] | 15 | 1,[illegible] |
| Japan | Steam | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | ... | .. | ... | | | | | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | | | | | | | | | | | |
| Ceylon | Steam | ... | ... | 2 | 3,441 | ... | ... | ... | ... | 15 | 22,491 | 15 | 20,175 | ... | ... | . | | 819 | 5[illegible] | [illegible]16 | [illegible]74 [illegible]87 | [illegible]01 | [illegible] | [illegible]48 | [illegible]98,[illegible]25 |
| | Sailing | ... | ... | ... | ... | ... | . | ... | .. | ... | .. | ... | .. | 476 | 22,183 | 642 | 30,698 | 894 | 64,[illegible]75 | 1,[illegible]08 | [illegible]81,[illegible]61 | 1,0[illegible] | [illegible]80,[illegible]15 | 1,[illegible] | 107,[illegible]46 |
| Maldives | Steam | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | . | ... | | ... | | | | | | | |
| | Sailing | ... | ... | ... | ... | ... | .. | . | ... | 1 | 56 | ... | . | ... | .. | ... | | 1 | 56 | 1 | 108 | | | | |
| Mekran | Steam | ... | ... | ... | .. | ... | . | ... | ... | ... | ... | ... | ... | ... | . | ... | | . | | | | | | | |
| | Sailing | ... | ... | ... | | .. | ... | ... | .. | 4 | 244 | 3 | 204 | 4 | 240 | 6 | 369 | 8 | 484 | 9 | 57[illegible] | 14 | 714 | 10 | 814 |
| Persia | Steam | ... | ... | .. | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | ... | | | | | | | |
| | Sailing | ... | ... | .. | .. | .. | ... | ... | ... | 6 | 649 | 3 | 255 | ... | | | | 6 | 649 | 3 | [illegible]55 | 4 | 572 | | 208 |
| Straits Settlements | Steam | ... | ... | ... | . | .. | ... | 10 | 20,655 | 1 | 3,312 | 11 | 22,221 | ... | . | . | | 53 | 113,1[illegible] | 63 | 1,4[illegible] | 6 | 117,491 | 17 | 1[illegible],[illegible]9 |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | | 1 | 159 | | | 1 | 159 | 1 | [illegible]1, | | | | |
| Turkey in Asia | Steam | ... | ... | .. | ... | .. | .. | .. | ... | ... | .. | .. | .. | .. | .. | . | | .. | | | | | | | |
| | Sailing | ... | ... | ... | . | 1 | 97 | . | .. | 7 | 76 | 1 | 106 | . | . | | | 7 | 7.6 | 1 | 106 | 17 | 1,912 | 6 | 7[illegible] |
| Australia | Steam | ... | ... | .. | ... | ... | .. | .. | ... | . | ... | ... | | .. | . | . | | 5 | 11,466 | | | 6 | 1[illegible],594 | | |
| | Sailing | ... | ... | ... | | | | ... | ... | ... | ... | ... | | ... | | | | | | | | | | | |
| Other countries in Asia | Steam | ... | . | .. | . | ... | .. | | ... | 3 | 3,710 | ... | . | ... | ... | | | 3 | 3,710 | | | 1 | 768 | 1 | 1,[illegible]0 |
| | Sailing | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | | .. | ... | | | | | | | | |
| Total for 1898-99 | Steam | .. | ... | 3 | 4,460 | ... | .. | 10 | 20,655 | 44 | 94,342 | 33 | 60,178 | ... | ... | ... | | 675 | 698,882 | [illegible]86 | [illegible]1,07 | | | | |
| | Sailing | ... | ... | ... | ... | 1 | 97 | ... | ... | 21 | 1,979 | 14 | 1,544 | 481 | 22,582 | 655 | 51,693 | 8[illegible]2 | 67,[illegible]10 | 1,[illegible]39 | [illegible]5,121 | | | | |
| Total for 1897-98 | Steam | 10 | 12,178 | 13 | 17,164 | 6 | 5,128 | 10 | 16,329 | 66 | 100,440 | 43 | 53,687 | ... | ... | ... | | ... | | | | 665 | 719,[illegible]92 | 672 | [illegible]38,[illegible]1[illegible] |
| | Sailing | ... | ... | ... | ... | 1 | 1,272 | ... | ... | 30 | 4,663 | 29 | 2,305 | 594 | 26,866 | 850 | 41,646 | | | | | 1,112 | 85,779 | 1,494 | 11[illegible],0[illegible]4 |

(57)—*Statement showing the number and tonnage of steam and sailing vessels, distinguishing their nationality, which entered and cleared in ballast from, and to, foreign countries at ports in the Presidency of Madras in the official year* 1898–99, *compared with the totals of the year* 1897–98.

| Countries. | | British | | | | British Indian. | | | | French. | | German. | | Austro-Hungarian | | | | Arabian. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | |
| | | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. |
| United Kingdom | Steam | .. | ... | 2 | 6,449 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | Sailing | . | ... | ... | ... | .. | ... | ... | ... | . | . | ... | . | . | | | | | | | |
| Austria-Hungary | Steam | .. | . | .. | ... | ... | .. | | .. | . | .. | ... | . | . | | | | | | 1 | 1,173 |
| | Sailing | . | . | ... | ... | ... | . | . | . | ... | | .. | ... | | | | | | | | |
| France | Steam | . | . | .. | ... | ... | ... | . | . | . | .. | . | ... | . | | | | | | | |
| | Sailing | ... | . | ... | ... | .. | . | .. | | . | ... | . | . | | .. | . | | | | | |
| Belgium | Steam | .. | . | .. | ... | .. | ... | .. | .. | . | . | ... | ... | | | | | ... | | | |
| | Sailing | .. | . | . | . | . | . | | . | . | ... | ... | | | .. | | . | | | | |
| Germany | Steam | .. | . | | .. | ... | . | ... | | | ... | ... | .. | . | | | .. | | | | |
| | Sailing | ... | .. | .. | ... | .. | .. | ... | . | | ... | ... | .. | | | | | | | | |
| Holland | Steam | . | .. | .. | ... | ... | .. | ... | . | | ... | ... | .. | ... | | | .. | | | | |
| | Sailing | | ... | ... | ... | | | ... | | | . | ... | . | | | | | | | | |
| Russia in Asia | Steam | .. | .. | | ... | . | | .. | | . | .. | . | | | | . | | | | | |
| | Sailing | ... | . | ... | . | ... | . | ... | | | .. | | . | | | | .. | | | | |
| Africa (East Coast) | Steam | 3 | 5,123 | ... | . | ... | ... | | | | . | .. | . | | | | ... | 1 | 1,019 | | |
| | Sailing | .. | .. | ... | ... | .. | . | .. | . | .. | | ... | . | | | | | | | | |
| Egypt | Steam | .. | . | ... | ... | ... | .. | | ... | .. | | | | | | | | | | | |
| | Sailing | ... | | ... | .. | ... | . | . | .. | ... | .. | ... | | | | . | .. | | | | |
| Cape Colony | Steam | 2 | 3,276 | ... | .. | . | ... | | | ... | | .. | | | | . | . | ... | | | |
| | Sailing | .. | ... | ... | ... | .. | ... | ... | | .. | ... | .. | . | | | | . | . | . | | |
| Natal | Steam | 1 | 2,155 | 1 | 905 | ... | .. | .. | .. | ... | ... | . | . | . | | ... | | . | | | |
| | Sailing | ... | | ... | . | .. | ... | .. | | . | .. | ... | .. | . | .. | | ... | | | | |
| Aden | Steam | ... | .. | ... | ... | ... | .. | ... | . | ... | ... | ... | ... | ... | . | | .. | | | | |
| | Sailing | .. | ... | ... | ... | ... | ... | .. | | ... | . | ... | ... | ... | | | | | . | | |
| Mauritius | Steam | ... | ... | ... | ... | ... | ... | | ... | . | ... | ... | .. | .. | ... | . | ... | | | | |
| | Sailing | 3 | 1,417 | .. | .. | ... | ... | .. | | ... | .. | .. | .. | . | | .. | ... | | | | |
| Réunion | Steam | ... | .. | ... | ... | ... | ... | .. | | ... | ... | ... | .. | | ... | . | . | | | | |
| | Sailing | ... | ... | ... | .. | .. | .. | . | ... | ... | .. | ... | ... | | | .. | .. | . | ... | | |
| Arabia | Steam | 1 | 1,340 | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | | . | | ... | ... | ... | | |
| | Sailing | ... | ... | ... | ... | ... | ... | .. | | .. | .. | ... | .. | .. | .. | . | . | . | . | | |
| Japan | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | .. | .. | .. | . | 1 | 127 |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | . | . | ... | .. | .. | ... | | |
| Ceylon | Steam | 154 | 105,823 | 84 | 33,841 | ... | ... | ... | ... | ... | ... | ... | ... | | | | | .. | ... | | |
| | Sailing | 2 | 530 | ... | ... | 352 | 65,282 | 199 | 49,273 | ... | ... | ... | ... | ... | ... | 1 | 909 | .. | . | | |
| Java | Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | .. | ... | ... | | |
| | Sailing | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Mekran | Steam | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | ... | ... | ... | .. | . | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | ... | ... | . | | |
| Persia | Steam | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | |
| | Sailing | ... | ... | .. | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | . | 1 | 62 |
| Straits Settlements | Steam | ... | ... | 2 | 4,566 | ... | ... | ... | .. | 1 | 1,844 | ... | ... | ... | ... | ... | . | . | ... | ... | .. |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | .. | ... | .. | | |
| Turkey in Asia | Steam | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | | |
| Australia | Steam | ... | ... | 1 | 2,065 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | .. | ... | |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | |
| Other countries | Steam | ... | ... | 1 | 1,046 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . |
| | Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | |
| Total for 1898-99 | Steam | 161 | 117,717 | 91 | 48,872 | ... | ... | ... | ... | 1 | 1,844 | ... | ... | ... | ... | 1 | 909 | 1 | 1,019 | 1 | 1,173 |
| | Sailing | 5 | 1,947 | ... | ... | 352 | 65,282 | 199 | 49,273 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| Total for 1897-98 | Steam | 147 | 116,009 | 82 | 45,786 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Sailing | 1 | 995 | ... | ... | 435 | 84,886 | 311 | 74,737 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## C.—TRADE—*continued.*

(57)—*Statement showing the number and tonnage of steam and sailing vessels, distinguishing their nationality, which entered and cleared in ballast from, and to, foreign countries at ports in the Presidency of Madras in the official year* 1898–99, *compared with the totals of the year* 1897–98—continued.

| Countries. | Other Nationalities. | | | | Total Foreign. | | | | Native Craft. | | | | Grand Total for 1898-99. | | | | Grand Total for 1897-98. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | |
| | 14 | | 15 | | 16 | | 17 | | 18 | | 19 | | 20 | | 21 | | 22 | | 23 | |
| | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. | VES. | TONS. |
| United Kingdom ... Steam | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | .. | 2 | 6,449 | ... | | 2 | 5,112 |
| United Kingdom ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | .. | | ... | | | |
| Austria-Hungary ... Steam | ... | ... | ... | ... | ... | ... | 1 | 1,173 | ... | ... | ... | ... | ... | ... | 1 | 1,173 | ... | . | .. | |
| Austria-Hungary ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | ... | .. | | |
| France ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | ... | .. | | |
| France ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | .. | . | . | | |
| Belgium ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | . | | |
| Belgium ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | ... | . | | |
| Germany ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | .. | | . | | . | |
| Germany ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | | | | | .. | |
| Holland ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | . | | | | |
| Holland ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | ... | | | |
| Russia ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | | | | | 1 | 1,908 |
| Russia ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | . | | | |
| Africa (East Coast) ... Steam | .. | ... | ... | ... | 1 | 1,019 | ... | ... | ... | ... | .. | .. | 4 | 6,142 | | | 2 | 5,178 | . | |
| Africa (East Coast) ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | | | | | | |
| Egypt ... .. ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | . | | | | | | | |
| Egypt ... .. ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | . | |
| Cape Colony ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | . | 2 | 3,276 | | | | | | |
| Cape Colony ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | | ... | | . | | | | | | | | |
| Natal ... ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2,155 | 1 | 905 | 3 | 5,456 | | |
| Natal ... ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | .. | ... | | .. | | ... | 1 | 195 | | |
| Aden ... ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | | | | | . | | | |
| Aden ... ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | | |
| Mauritius ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | 1 | 1,486 | | |
| Mauritius ... ... Sailing | 1 | 746 | ... | ... | 1 | 746 | ... | ... | ... | ... | ... | . | 4 | 2,163 | | | | | | |
| Réunion ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | | |
| Réunion ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | .. | | | | | | 1 | | |
| Arabia ... ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | .. | .. | 1 | 1,340 | | . | | | | |
| Arabia ... ... ... Sailing | ... | ... | ... | ... | 1 | 127 | ... | ... | ... | ... | ... | | 1 | 127 | | | | | 1 | [illegible] |
| Japan ... ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | | | | | | | |
| Japan ... ... ... Sailing | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | | | | | | | | | |
| Ceylon ... ... ... Steam | ... | ... | ... | . | ... | ... | 1 | 909 | ... | ... | ... | | 154 | 105,823 | 85 | 34,750 | 141 | 103,881 | 77 | 54,783 |
| Ceylon ... ... ... Sailing | ... | ... | ... | ... | ... | .. | ... | ... | 266 | 10,932 | 93 | 3,747 | 620 | 76,744 | 292 | 53,020 | 788 | 98,[illegible] | 4[illegible] | 76,07[illegible] |
| Java ... ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | 1 | 2,4[illegible] |
| Java ... ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | . | | | | | |
| Mekran ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | . | | | | | |
| Mekran ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 47 | ... | ... | 1 | 47 | | . | | | | |
| Persia ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | .. | | | | | | . | | |
| Persia ... ... Sailing | ... | ... | ... | ... | 1 | 62 | ... | ... | ... | ... | .. | .. | 1 | 62 | | .. | | | | |
| Straits Settlements ... Steam | 1 | 761 | ... | ... | 2 | 2,605 | ... | ... | ... | ... | .. | ... | 2 | 2,605 | 2 | 4,766 | | | 1 | 710 |
| Straits Settlements ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | | . | | | | |
| Turkey in Asia ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | . | | | . | | | |
| Turkey in Asia ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | |
| Australia ... ... Steam | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | 1 | 2,065 | | | 1 | 1,492 |
| Australia ... ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | | | | | | | |
| Other countries ... Steam | ... | ... | ... | ... | . | ... | ... | ... | ... | . | | ... | | | 1 | 1,046 | | | 1 | 768 |
| Other countries ... Sailing | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Total for 1898-99 ... Steam | 1 | 761 | ... | ... | 3 | 3,624 | 2 | 2,082 | ... | ... | .. | . | 164 | 121,341 | 93 | 50,954 | | | | |
| Total for 1898-99 ... Sailing | 1 | 746 | ... | ... | 3 | 935 | ... | ... | 267 | 10,979 | 93 | 3,747 | 627 | 79,143 | 292 | 53,020 | | | | |
| Total for 1897-98 ... Steam | ... | ... | 2 | 1,478 | ... | ... | 2 | 1,478 | ... | ... | ... | ... | | . | . | . | 147 | 116,009 | 84 | 47,264 |
| Total for 1897-98 ... Sailing | ... | .. | ... | ... | ... | ... | ... | ... | 353 | 13,728 | 142 | 4,301 | | .. | | | 789 | 99,609 | 453 | 79,038 |

## C.—TRADE—*continued.*

(58)—*Statement showing the number, tonnage and nationality of steam and sailing vessels employed in the interportal trade, which entered and cleared with cargoes and in ballast in the Presidency of Madras in the official year* 1898-99, *compared with the totals of the year* 1897-98.

| Ports. | British. | | | | British Indian. | | | | Foreign. | | | | Native Craft. | | | | Total for 1898-99. | | | | Total for 1897-98. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | | Entered. | | Cleared. | |
| 1 | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | 12 | | 13 | |
| | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. | NO. | TONS. |
| With cargoes from or to— | | | | | | | | | | | | | | | | | | | | | | | | |
| Bengal ... ... ... ... | 206 | 421,865 | 205 | 437,416 | 1 | 123 | 7 | 3,626 | 17 | 20,005 | 36 | 71,678 | 13 | 1,259 | 1 | 110 | 284 | 443,248 | 249 | 512,830 | 215 | 379,164 | [illegible] | 463,213 |
| Bombay ... ... ... ... | 112 | 221,891 | 164 | 337,641 | 81 | 63,093 | 100 | 109,380 | 71 | 27,334 | 49 | 4,044 | 2,177 | 81,519 | 2,289 | 82,881 | 2,441 | 5[illegible] | 2,692 | 5[illegible] | 2,[illegible] | 3[illegible] | 2,[illegible] | 45,[illegible] |
| Scinde ... ... ... ... | 3 | 5,436 | ... | ... | ... | ... | ... | ... | 1 | 159 | 3 | 170 | 91 | 5,971 | 76 | 6,989 | 95 | 11,566 | 79 | 7,079 | 149 | [illegible] | 64 | 7 [illegible] |
| Burma ... ... ... ... ... | 144 | 243,354 | 192 | 337,733 | 48 | 10,273 | 7 | 1,173 | ... | ... | ... | . | 9 | 1,860 | 6 | 1,023 | 201 | 255,487 | 205 | 339,9[illegible] | 191 | 255,6[illegible] | 203 | [illegible],0[illegible] |
| British Ports in other Presidencies, Total ... ... ... | 465 | 892,546 | 561 | 1,112,790 | 130 | 73,489 | 114 | 114,379 | 89 | 47,498 | 88 | 75,892 | 2,287 | 90,600 | 2,372 | 90,923 | 2,971 | 1,109,133 | 3,135 | 1,393,984 | 2,743 | 976,196 | 3,091 | 1,263,913 |
| British Ports within the Presidency ... ... ... ... | 2,258 | 3,873,600 | 2,096 | 3,603,119 | 574 | 294,546 | 490 | 239,936 | 105 | 13,766 | 128 | 22,579 | 8,409 | 218,457 | 8,292 | 219,976 | 11,345 | 4,400,36[illegible] | 11,006 | 4,065,612 | 11,[illegible] | 3,869,768 | 10,724 | 3,[illegible]80,769 |
| Indian Ports not British ... | 96 | 151,848 | 59 | 101,684 | 23 | 2,501 | 8 | 1,016 | 146 | 8,498 | 245 | 7,139 | 203 | 10,872 | 785 | 39,724 | 468 | 173,717 | 1,097 | 149,563 | 591 | 205,504 | 1,[illegible]67 | 185,700 |
| Total for 1898-99 ... | 2,819 | 4,917,994 | 2,716 | 4,817,593 | 27 | 375,536 | 612 | 355,331 | 340 | 69,760 | 461 | 105,610 | 10,898 | 319,929 | 11,449 | 350,625 | 14,784 | 5,683,219 | 15,238 | 5,629,159 | | | | . |
| Total for 1897-98 ... | 2,624 | 4,335,494 | 2,519 | 4,224,578 | 656 | 323,805 | 593 | 315,641 | 370 | 85,672 | 571 | 125,045 | 11,163 | 336,497 | 11,499 | 358,117 | | . | | | 14,813 | 5,081,463 | 15,182 | 5,023,381 |
| In ballast from or to— | | | | | | | | | | | | | | | | | | | | | | | | |
| Bengal ... ... ... ... | ... | ... | 60 | 124,040 | ... | ... | 1 | 172 | 1 | 1,173 | 4 | 6,525 | 5 | 560 | 14 | 1,769 | 6 | 1,733 | 79 | 132,506 | 9 | 4,600 | 75 | 129,041 |
| Bombay ... ... ... ... | 8 | 13,129 | 2 | 4,287 | 3 | 36 | 3 | 35 | 5 | 86 | 13 | 146 | 568 | 14,517 | 368 | 7,888 | 584 | 27,768 | 386 | 12,356 | 733 | 32,70[illegible] | 408 | 14,170 |
| Scinde ... ... ... ... | 1 | 696 | 1 | 2,296 | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 270 | ... | ... | 4 | 966 | 1 | 2,296 | 48 | 1,010 | 1 | 15 |
| Burma ... ... ... ... ... | ... | ... | 14 | 23,014 | ... | ... | 5 | 777 | ... | ... | ... | ... | 1 | 63 | 1 | 80 | 1 | 63 | 20 | 23,871 | 2 | 219 | 57 | 38,180 |
| British Ports in other Presidencies, Total ... ... ... | 9 | 13,825 | 77 | 153,637 | 3 | 36 | 9 | 994 | 6 | 1,259 | 17 | 6,671 | 577 | 15,410 | 383 | 9,737 | 595 | 30,530 | 486 | 171,029 | 792 | 38,537 | 541 | 181,406 |
| British Ports within the Presidency ... ... ... ... | 12 | 17,503 | 78 | 139,074 | 189 | 46,395 | 316 | 70,747 | 24 | 2,205 | 28 | 1,137 | 4,590 | 119,570 | 4,758 | 116,726 | 4,815 | 185,673 | 5,180 | 327,684 | 4,855 | 187,255 | 5,560 | 324,952 |
| Indian Ports not British ... | 1 | 761 | ... | ... | 2 | 1,006 | 14 | 1,368 | 130 | 4,586 | 7 | 77 | 418 | 22,904 | 51 | 2,431 | 551 | 29,257 | 72 | 3,876 | 639 | 34,242 | 55 | 7,327 |
| Total for 1898-99 ... | 22 | 32,089 | 155 | 292,711 | 194 | 47,437 | 339 | 73,099 | 160 | 8,050 | 52 | 7,885 | 5,585 | 157,884 | 5,192 | 128,894 | 5,961 | 245,460 | 5,738 | 502,589 | ... | ... | ... | ... |
| Total for 1897-98 ... | 35 | 48,837 | 163 | 296,645 | 225 | 51,976 | 328 | 72,113 | 244 | 8,493 | 89 | 16,985 | 5,782 | 150,728 | 5,606 | 127,942 | ... | ... | ... | ... | 6,286 | 260,054 | 6,186 | 513,685 |

# D.—PUBLIC WORKS.

(59)—*Statement showing the expenditure of money in the Public Works Department during the year* 1898–99.

| Class of works. | Total expenditure, excluding establishment. | | | | | Establishment. |
|---|---|---|---|---|---|---|
| | Capital spent on works yielding income. | Maintenance of works yielding income. | Capital spent on works not yielding income. | Maintenance of works not yielding income. | Total. | |
| IMPERIAL ORDINARY. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| MILITARY WORKS. | | | | | | |
| Accommodation for troops, European | .. | ... | ... | .. | . | .. |
| New buildings, including subsidiary, auxiliary and hospital accommodation— | | | | | | |
| In the plains | ... | ... | ... | ... | ... | .. |
| In the hills | .. | ... | ... | ... | ... | ... |
| Old buildings, including subsidiary, auxiliary and hospital accommodation— | | | | | | |
| In the plains | 102 | 1,130 | 3,887 | 19,640 | 24,759 | ... |
| In the hills | ... | ... | ... | ... | ... | ... |
| Improvements to existing buildings— | | | | | | |
| In the plains | ... | .. | 36 | ... | 36 | ... |
| In the hills | ... | ... | ... | ... | ... | ... |
| Buildings for Officers— | | | | | | |
| In the plains | ... | ... | — 1,108 | 2,294 | 1,186 | ... |
| In the hills | .. | ... | ... | ... | ... | ... |
| Temporary accommodation— | | | | | | |
| In the plains | ... | ... | ... | ... | ... | ... |
| In the hills | ... | ... | ... | ... | ... | ... |
| Native— | | | | | | |
| Buildings for Artillery | ... | ... | ... | ... | ... | ... |
| Do. for Cavalry | ... | ... | ... | ... | ... | ... |
| Do. for Infantry | .. | ... | ... | 2,063 | 2,063 | ... |
| Rest houses | ... | ... | 116 | 504 | 620 | ... |
| Ordnance buildings | ... | ... | 10 | 426 | 436 | ... |
| Commissariat buildings | ... | ... | 33 | 2,965 | 2,998 | ... |
| Staff and miscellaneous | ... | ... | 455 | 6,735 | 7,190 | ... |
| Studs | ... | ... | ... | ... | ... | ... |
| Roads to hill stations or lines of military communications | ... | ... | ... | 3,722 | 3,722 | ... |
| General cantonment works | ... | ... | 1,209 | 2,043 | 3,243 | ... |
| Fortifications | ... | ... | 201 | 2,144 | 2,345 | ... |
| Dockyard or Naval buildings | ... | ... | ... | ... | ... | ... |
| Rents of buildings or compensation for quarters | ... | ... | ... | 6,542 | 6,542 | ... |
| Total, Military Works | 102 | 1,130 | 4,830 | 49,078 | 55,140 | 11,196 |
| IMPERIAL. | | | | | | |
| CIVIL WORKS. | | | | | | |
| Meteorological | ... | ... | 29,014 | ... | 29,014 | ... |
| Salt | ... | ... | 931 | 283 | 1,214 | ... |
| Post offices | ... | ... | 12,997 | 9,384 | 22,381 | ... |
| Telegraph | ... | ... | 1,671 | 6,295 | 7,966 | ... |
| Grand Total, Imperial Ordinary | ... | ... | 44,613 | 15,962 | 60,575 | 13,788 |
| PROVINCIAL. | | | | | | |
| CIVIL WORKS. | | | | | | |
| *Civil Buildings.* | | | | | | |
| Land revenue | ... | ... | 3,05,096 | 39,905 | 3,45,001 | ... |
| Customs | ... | ... | 24,734 | 3,100 | 27,834 | ... |
| Residence for Local Government | ... | ... | 12,831 | 30,390 | 43,221 | ... |
| Secretariat Offices | ... | ... | 14,731 | 2,253 | 16,984 | ... |
| Finance and currency | ... | ... | 545 | 930 | 1,475 | ... |
| Board of Revenue | ... | ... | 772 | 1,004 | 1,776 | ... |
| Political Agencies | ... | ... | ... | ... | ... | ... |
| Stamp and Stationery | ... | ... | 10,252 | 1,183 | 11,435 | ... |
| Museums | ... | ... | 9,317 | 214 | 9,531 | ... |
| Monuments and antiquities | ... | ... | ... | 919 | 919 | ... |
| Law and Justice | ... | ... | 30,827 | 21,659 | 52,486 | ... |
| Churches | ... | ... | 1,376 | 8,804 | 10,180 | ... |
| Burial grounds | ... | ... | 1,763 | 5,553 | 7,316 | ... |
| Jails | ... | 3,912 | 52,000 | 27,205 | 83,117 | ... |
| Police | ... | ... | 1,36,766 | 6,374 | 1,43,140 | ... |
| Educational | ... | ... | 61,076 | 4,249 | 65,325 | ... |
| Medical | ... | ... | 60,446 | 15,717 | 76,163 | ... |
| Public Works buildings | 10,572 | 35,965 | 1,04,947 | 39,546 | 1,91,030 | ... |
| Registration | ... | ... | 39,552 | 10,493 | 50,045 | ... |
| Miscellaneous | ... | ... | 4,519 | 3,003 | 7,522 | ... |
| Printing | ... | ... | 734 | 89 | 823 | ... |
| Marine | ... | ... | ... | ... | ... | ... |
| Forest | ... | ... | 3,528 | 587 | 4,115 | ... |

# D.—PUBLIC WORKS—*continued.*

(59.)—*Statement showing the expenditure of money in the Public Works Department during the year* 1898-99—continued.

| Class of works. | Total expenditure, excluding establishment. | | | | | |
|---|---|---|---|---|---|---|
| | Capital spent on works yielding income. | Maintenance of works yielding income. | Capital spent on works not yielding income. | Maintenance of works not yielding income. | Total. | Establishment.* |
| PROVINCIAL—*cont.* | RS. | RS. | RS. | RS. | RS. | RS. |
| CIVIL WORKS—*cont.* | | | | | | |
| *Communications.* | | | | | | |
| Metalled and bridged roads | ... | ... | 1,31,530 | 1,06,351 | 2,37,881 | ... |
| Unmetalled and bridged roads | ... | ... | 24,438 | 5,803 | 30,241 | ... |
| Roads | ... | ... | 47,036 | ... | 47,036 | ... |
| *Miscellaneous Public Improvements.* | | | | | | |
| Improvements to towns | ... | ... | 56,333 | 8,687 | 65,020 | ... |
| Water-supply | ... | ... | ... | 290 | 290 | ... |
| Sewage and drainage | ... | ... | ... | 9,127 | 9,127 | ... |
| Mains | ... | ... | 8 | ... | 8 | ... |
| Miscellaneous | ... | ... | 3,340 | ... | 3,340 | ... |
| Total, Provincial, Civil Works | 10,572 | 39,877 | 11,38,497 | 3,53,435 | 15,42,381 | 7,92,053 |
| INCORPORATED AND EXCLUDED LOCAL FUNDS. | | | | | | |
| INCORPORATED LOCAL FUNDS. | | | | | | |
| *Communications.* | | | | | | |
| Metalled roads | ... | ... | ... | 1,633 | 1,633 | ... |
| Unmetalled roads | ... | ... | 1,941 | 11,853 | 13,794 | ... |
| Roads | ... | ... | ... | 6,441 | 6,441 | ... |
| Boats, bridges and ferries | ... | ... | 587 | 1,786 | 2,373 | ... |
| Miscellaneous | ... | ... | ... | 3,526 | 3,526 | ... |
| Total, Incorporated Local Funds | ... | .. | 2,528 | 25,239 | 27,767 | 9,445 |
| EXCLUDED LOCAL FUNDS. | | | | | | |
| *Civil Buildings.* | | | | | | |
| University fee fund— | | | | | | |
| Educational | ... | ... | ... | 592 | 592 | ... |
| Port fund— | | | | | | |
| Light-house | ... | ... | 8,166 | 263 | 8,429 | ... |
| Miscellaneous | ... | ... | 30,454 | 290 | 30,744 | ... |
| *Miscellaneous Public Improvements.* | | | | | | |
| Harbour | ... | ... | 36,415 | 11,290 | 47,705 | ... |
| Lighting | ... | ... | 95,369 | 1,091 | 96,460 | ... |
| Miscellaneous | ... | ... | 13,909 | 11 | 13,920 | ... |
| Water-supply | ... | ... | ... | ... | ... | ... |
| Total, Excluded Local Funds | ... | .. | 1,84,313 | 13,537 | 1,97,850 | 47,630 |
| Total, Incorporated and Excluded Local Funds | ... | ... | 1,86,841 | 38,776 | 2,25,617 | 57,075 |

## *Abstract.*

| | | | | | | |
|---|---|---|---|---|---|---|
| Imperial Military Works | 102 | 1,130 | 4,830 | 49,078 | 55,140 | 11,196 |
| Do. Civil Works | ... | ... | 44,613 | 15,962 | 60,575 | 13,788 |
| Provincial do. | 10,572 | 39,877 | 11,38,497 | 3,53,435 | 15,42,381 | 7,92,053 |
| Local, Incorporated and Excluded | ... | .. | 1,86,841 | 38,776 | 2,25,617 | 57,075 |
| Total, Buildings and Roads | 10,674 | 41,007 | 13,74,781 | 4,57,251 | 18,83,713 | 8,74,112 |

* The revised statistics for the Periyar Project for 1896-97 and 1897-98 have not been taken into account in the above statement. The figures under 'Establishment' are therefore given subject to revision.

# D.—PUBLIC WORKS—*continued.*

(60)—*General abstract of financial results showing the estimated cost of construction of Irrigation and Navigation Works, the capital outlay thereon, the revenue derived therefrom, the working expenses, and the interest on the debt incurred in respect of those works for, and up to the end of,* 1898–99.

## IRRIGATION AND NAVIGATION WORKS.

| Works. | Estimated cost of construction. | Capital outlay. Direct. During 1898-99. | Capital outlay. Direct. To end of 1898-99. | Capital outlay. Indirect. During 1898-99. | Capital outlay. Indirect. To end of 1898-99. | Receipts during 1898-99. Direct revenue. | Receipts during 1898-99. Indirect revenue. | Receipts during 1898-99. Total. | Working expenses during 1898-99 inclusive of indirect charges. | Net results including interest (difference between revenue and working expenses). Excess revenue (surplus). | Excess expenditure (deficit). | Rate per cent. Of excess revenue. | Rate per cent. Of excess expenditure. | Interest charged during 1898-99. | Net results including interests. Excess revenue (surplus). | Excess expenditure (deficit). | Rate per cent. Of excess revenue. | Rate per cent. Of excess expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAJOR WORKS (PRODUCTIVE PUBLIC WORKS). | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | | | Rs | Rs. | Rs. | | |
| Gódávari delta system ... ... | 1,32,46,775 | 84,574 | 1,11,60,267 | 2,866 | 19,05,146 | 30,29,362 | 1,49,430 | 31,78,792 | 7,71,596 | 24,07,196 | . | 18·42 | | 4,44,728 | 19,62,473 | | 15·02 | |
| Kistna do. ... ... | *1,33,96,625 | 1,57,670 | 1,25,0[illegible],370 | 47,290 | 8,88,265 | 25,38,3[illegible]6 | 1,68,912 | 27,01,332 | 6,87,144 | 20,14,188 | . | 15·03 | | 4,97,181 | 15,17,007 | | 11·32 | |
| Cauvery do. ... ... | 27,63,741 | 1,14,791 | 19,89,750 | 2,469 | 1,31,588 | 8,52,4[illegible]3 | 1,14,035 | 9,66,518 | 88,717 | 8,77,801 | ... | 41·56 | | 70,[illegible]4 | 8,00,867 | | 37·91 | |
| Pennéru anicut system ... ... | 18,99,192 | ... | 16,47,577 | ... | 2,51,615 | 1,52,150 | 21,118 | 1,73,268 | 16,873 | 1,56,395 | . | 8·23 | | 65,905 | 90,492 | | 4·76 | |
| Srivaikuntam anicut system ... | 14,85,123 | 4,775 | 13,75,516 | 728 | 1,01,911 | 1,10,711 | 1,791 | 1,12,502 | 30,596 | 81,906 | . | 5·54 | | 54,9[illegible]5 | 26,[illegible]81 | | 1·82 | |
| Sungam do. ... | 40,68,279 | 21,908 | 51,72,856 | 698 | 7,05,758 | 1,75,589 | 23,122 | 1,98,711 | 42,335 | 1,56,376 | . | 4·03 | | 1,2[illegible],476 | 2[illegible],000 | | ·77 | |
| Kurnool-Cuddapah canal ... ... | 2,17,23,632 | 6,579 | 2,17,21,856 | 172 | 2,634 | 1,54,869 | ... | 1,54,869 | 1,10,478 | 44,391 | . . | ·20 | | 8,68,743 | | 8,24,552 | | 3·79 |
| Barur tank ... ... ... ... | * 4,27,745 | ... | 4,02,176 | ... | 22,869 | 10,072 | 33 | 10,105 | 2,595 | 7,510 | ... | 1·77 | | 16,087 | | 8,577 | | 2·02 |
| Periyár project ... ... ... ... | 86,81,605 | 1,40,090 | 84,32,942 | 12,377 | 2,48,663 | 2,58,022 | 19,261 | 2,77,283 | 1,33,552 | 1,43,731 | ... | 1·66 | | 3,34,516 | | 1,90,785 | . | 2·20 |
| Total ... | 6,76,92,717 | 5,30,387 | 6,24,02,400 | 67,100 | 42,58,449 | 72,81,578 | 4,91,802 | 77,73,380 | 18,53,886 | 58,89,494 | ... | 8·83 | | 24,55,468 | 34,04,006 | .. | 5 16 | |
| PROTECTIVE IRRIGATION WORKS. | | | | | | | | | | | | | | | | | | |
| Rushikulya project ... ... ... | 49,45,820 | 53,351 | 43,08,571 | 1,454 | 3,90,657 | 87,609 | 211 | 87,820 | 44,066 | 43,754 | .. | ·93 | | 1,71,276 | | 1,27,522 | | 2 71 |
| Grand Total ... | 7,26,38,537 | 5,83,738 | 6,67,10,971 | 68,554 | 46,49,106 | 73,69,187 | 4,92,013 | 78,61,200 | 19,27,952 | 59,33,248 | | 8·31 | | 26 [illegible],764 | 32,76,484 | | 4 59 | |
| MINOR WORKS AND NAVIGATION. *Provincial.* | | | | | | | | | | | | | | | | | | |
| Chembrambakam tank ... ... | 7,47,089 | 173 | 6,34,671 | | 1,12,428 | 30,3[illegible]6 | 661 | 31,057 | — 29 | 31,086 | ... | 4·16 | | | | | | |
| Pálár anicut system ... ... ... | 20,85,660 | 3,792 | 19,70,414 | 2,354 | 1,07,691 | 1,51,975 | 16,536 | 1,68,511 | 45,462 | 1,23,049 | | 5·92 | | | | | | |
| Pelandorai anicut system ... ... | 5,83,929 | 32,761 | 5,39,980 | 858 | 45,659 | 33,264 | 60 | 33,324 | 14,100 | 19,224 | | 3·28 | | | | | | |
| Buckingham canal ... ... ... | 89,84,169 | 16,681 | 84,72,506 | 470 | 4,86,961 | 1,04,317 | ... | 1,04,317 | 1,18,053 | | [illegible],756 | | 0·09 | | | | | |
| Madras water-supply and irrigation extension project ... .. | 17,54,045 | ... | 15,15,827 | . | 2,38,218 | 28,205 | 516 | 28,721 | 7,600 | 21,121 | | 1·20 | | | | | | |
| Chilka Lake canal ... ... ... | 31,027 | ... | 30,240 | . . | 787 | 13 | .. | 13 | 623 | | 610 | | 1·96 | | | | | |
| Ganjám-Gopalpur canal ... ... | 1,55,493 | .. | 1,43,100 | . | 12,393 | 119 | .. | 119 | 14 | 105 | . | 0·07 | | | | | | |
| Védáranniyam canal ... ... ... | 1,36,173 | . | 1,32,699 | ... | 3,474 | 1,217 | .. | 1,217 | 4,343 | | 3,126 | | 2·29 | | | | | |
| Lower Coleroon anicut system ... | 13,82,090 | 1,25,809 | 9,12,138 | 5,334 | 27,206 | 2,42,090 | 52,909 | 2,94,999 | 38,967 | 2,56,032 | | 27 26 | | | | | | |
| Shatiatope do. ... | 2,27,891 | 58,231 | 2,22,897 | 1,423 | 5,686 | 92,327 | 15,332 | 1,07,659 | 14,547 | 93,112 | | 40·73 | | | | | | |
| Vriddháchalam do. ... | 49,737 | .. | 48,468 | .. | 1,269 | 18,406 | 251 | 18,657 | 5,992 | 12,665 | | 25·46 | | | | | | |
| Mehamattúr do. ... | 71,047 | ... | 69,235 | . | 1,812 | 11,946 | 22 | 11,968 | 9,479 | 2,489 | | 3·50 | | | | | | |
| Tirukkóyilur do. ... | 2,54,470 | . | 2,47,952 | . | 6,518 | 34,292 | 3,175 | 37,467 | 21,641 | 15,826 | | 6·22 | | | | | | |
| Cumbum tank ... ... ... ... | 62,542 | 192 | 62,756 | 50 | 1,677 | 12,112 | 538 | 12,650 | 1,446 | 11,204 | | 17·39 | .. | | | | | |
| Vallur anicut system ... ... ... | 78,205 | 947 | 63,864 | 25 | 1,672 | 3,531 | 1,102 | 4,633 | 1,100 | 3,533 | | 5·39 | | | | | | |
| Marudúr do. ... ... ... | 44,805 | .. | 43,662 | | 1,143 | 71,992 | 261 | 72,253 | 21,033 | 51,220 | . | 114·32 | | | | | | |
| Thádapalli channel ... ... ... | 1,23,852 | 184 | 1,16,506 | 5 | 9,348 | 28,121 | 2,629 | 30,750 | 10,720 | 20,030 | | 15·94 | | | | | | |
| Arkenkóta do. ... ... ... | 1,02,964 | ... | 1,00,328 | ... | 2,636 | 8,631 | 332 | 8,963 | 5,065 | 3,898 | | 3·78 | | | | | | |
| Kalingaráyan do. ... ... ... | 87,168 | 15,859 | 77,950 | 416 | 2,041 | 21,000 | 563 | 21,563 | 11,388 | 10,175 | ... | 12·72 | | | | | | |
| Cheyaru anicut system ... ... | 4,05,447 | ... | 3,94,407 | ... | 11,040 | 47,981 | 3,515 | 51,496 | 20,665 | 30,831 | | 7·60 | | | | | | |
| Poiney do. ... ... | 2,36,106 | ... | 2,25,624 | ... | 6,072 | 50,079 | 5,083 | 55,162 | 8,958 | 46,204 | | 19·95 | | | | | | |
| Dondapád tank ... ... ... | 1,43,219 | 269 | 1,44,261 | 7 | 4,966 | 452 | 2 | 454 | 226 | 228 | ... | 0·15 | | | | | | |
| Sagiléru project ... ... ... | 4,50,000 | 8,527 | 4,30,348 | 204 | 17,181 | 7,274 | 8 | 7,282 | 2,325 | 4,957 | . | 1·11 | | | | | | |
| Munniyar do. ... ... ... | 6,42,000 | 50,256 | 4,59,634 | 9,712 | 21,306 | 8,421 | 10 | 8,437 | 5,527 | 2,910 | | 0·58 | | | | | | |
| Nundiyar channel ... ... ... | 55,708 | ... | 53,490 | ... | 2,218 | 2,971 | 10 | 2,981 | 3,756 | | 775 | | 1·39 | | | | | |
| Ganjám Minor river system ... | 1,19,009 | 38,427 | 81,787 | 1,003 | 2,129 | 26,274 | 6,906 | 33,180 | 25,890 | 7,290 | . | 8·69 | | | | | | |
| Chopad project ... ... ... | 3,65,000 | 1,535 | 92,301 | 82 | 1,894 | .. | ... | ... | ... | .. | . | . . | | | | | | |
| Total ... | 1,93,73,855 | 3,53,703 | 1,73,27,455 | 21,893 | 11,35,415 | 10,37,406 | 1,10,427 | 11,47,833 | 3,93,891 | 7,53,942 | | 4·08 | | | | | | |

NOTE.—The above statement does not include the revised figures for 1896-97 and 1897-98 relating to the Periyar Project.

* For the purpose of this statement, the total expenditure to end of 31st March 1899 on the Kistna delta and the Periyar project works has been taken as estimate, pending sanction of the Government of India to the schedule of works referred to in Rule III, paragraph 35, Chapter V, Volume II, of the P.W. Code.

# E.—RAILWAYS.

## (61)—*For the Calendar year* 1898.

| Railway. | Miles opened during the year. | Total miles opened. | Passengers carried during the year. | | | | Receipts from passengers. | Receipts from merchandise general and military stores. | Receipts from railway materials and coal. | Gross earnings from coaching, goods, telegraph and sundries. | Working expenses. | Net earnings. | Number of European and East Indian staff. | Number of Native staff. | Total capital expenditure up to 31st December 1898. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | First class. | Second class. | Third class. | Total. | | | | | | | | | |
| | MILES. | MILES. | NO. | NO. | NO. | NO. | RS. | RS. | RS. | RS. | RS. | RS. | NO. | NO. | RS. |
| Madras ... ... ... .. ... | ... | † 839·22 | 21,636 | 97,702 | 8,212,365 | 8,331,703 | 34,09,358 | 56,27,422 | 6,93,586 | 1,07,20,483 | 52,18,578 | 55,01,905 | | | 12,16,98,618 |
| Kolar Gold Fields ... ... ... | ... | 10·00 | 4,193 | 15,630 | 597,958 | 617,781 | 47,045 | 43,311 | 1,09,233 | 2,04,002 | 1,21,869 | 82,133 | 1,175 | 12,997 | 8,09,537 |
| Madras-Ennur ... ... ... ... | ... | 8·45 | 1,519 | 3,028 | 589,595 | 594,142 | 34,994 | 7,255 | 254 | 44,065 | 25,588 | 18,477 | | | 5,99,150 |
| South Indian ... ... ... ... | ... | ‡ 1,017·88 | 22,750 | 109,792 | 11,380,023 | 11,512,565 | 41,31,878 | 36,21,415 | 64,673 | 84,67,581 | 46,15,232 | 38,52,349 | | | 7,45,26,344 |
| Mâyavaram-Muttupet .. ... ... | ... | 53·99 | 396 | 5,345 | 1,067,539 | 1,073,280 | 1,71,815 | 61,777 | 1,993 | 2,46,199 | 1,68,572 | 77,627 | 735 | 11,916 | 24,94,905 |
| Peralam-karaikkal ... .. ... | * 14·45 | 14·45 | 218 | 1,081 | 133,262 | 134,561 | 16,146 | 2,760 | 3 | 19,733 | 11,878 | 7,855 | | | 7,21,665 |

* Opened on 14th March 1898.

† Includes 42½ miles double line.

‡ Excludes 23·71 miles (Nellore-Gudur section).

# CHAPTER V.—REVENUE AND FINANCE.

# REVENUE AND FINANCE.

## (62)—*Land revenue for the year* 1898-99.

| — | Revenue last year. | | Revenue this year. | | Cost of collection. | Net collections during the year. | Outstanding balance. | Number of sale-for arrears of revenue. | Revenue of estates sold. | Cause of increase or decrease with explanations of any items realized in addition to the annual assessed revenue. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Assessed. | Realized. | Assessed. | Realized. | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | | Rs. | |
| From settled estates bearing revenue in past years ... ... ... | .. | 50,57,799 | | 49,65,500 | | | | | | |
| From settled estates added to rent-roll during the present year ... | . | ... | | . | | | | | | |
| From settled estates taken off rent-roll during the present year ... | ... | . | ... | ... | 89,35,381 | 4,65,98,026 | 37,49,287 | 10,707 | 74,668 | * Increase mainly due to the favourable character the season. |
| Income from sale of Government estates ... ... ... ... ... | ... | 39,662 | . | 8,356 | | | | | | |
| Ryotwári collections ... ... | ... | 4,88,68,192 | ... | 5,05,59,551 | | | | | | |
| Miscellaneous land revenue not included in the above ... | | | | | | | | | | |
| Total ... | ... | 5,39,65,653 | ... | *5,55,33,407 | 89,35,381 | 4,65,98,026 | 37,49,287 | 10,707 | | |

NOTE.—The collections here given are for the official year, but as the demand is fixed for the fasli year ending 30th June, no entries have been made in the columns *Assessed revenue.*

## (62a) *Alienations of land revenue in ryotwari (temporarily settled) tracts.*

| Particulars of grants. | Annual value of the grants made | | | | | | Remarks. |
|---|---|---|---|---|---|---|---|
| | For the maintenance of Public Servants | | | On other grounds. | | | |
| | Up to the end of 1897-98. | During the year 1898-99. | Total. | Up to the end of 1897-98. | During the year 1898-99. | Total. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| A. In ryotwari tracts— | | | | | | | |
| (1) Whole inam villages— | | | | | | | |
| Difference between the assessment and jodi or quit-rent, if any ... ... ... ... | ... | ... | ... | 20,30,067 | ... | 20,30,067 | |
| (2) Minor inams— | | | | | | | |
| Difference (representing the inam) between the full assessment and jodi or quit-rent. | 2,99,047 | ... | 2,99,047 | 40,41,864 | ... | 40,41,864 | |
| B. Assignments or remissions of land revenue— | | | | | | | |
| (1) In favour of individuals for past or present services, *e.g.*, in favour of military pensioners and such village servants as are remunerated by assignments of land revenue ... ... | 1,65,083 | ... | 1,65,083 | 25,742 | ... | 25,742 | |
| (2) In favour of religious institutions, the assignment being made in lieu of preivous ready-money allowances ... ... ... ... ... | ... | ... | ... | 1,88,792 | ... | 1,88,792 | |
| (3) In favour of public associations, churches, temples, &c., (*e.g.*, remission of assessment on the sites of temples, churches, &c.) ... | ... | ... | ... | 1,48,356 | 179 | 1,48,535 | |
| (4) In favour of individuals for specially recorded reasons ... ... ... ... ... ... | .. | ... | ... | 8,263 | 3 | 8,266 | |
| C. Beriz deductions, *i.e.*, deductions from collections of ryotwari revenue before they reach the treasury— | | | | | | | |
| (1) In favour of religious institutions, the deductions being made in lieu of assignments of land revenue or of cash payments ... | ... | ... | ... | 9,21,950 | ... | 9,21,950 | |
| (2) In favour of village servants doing revenue, judicial or police duties or of village artizans ... ... ... ... ... ... | 16,247 | ... | 16,247 | ... | .... | ... | |
| (3) In favour of certain inamdars in Salem whose inams are being managed by Government ... ... ... ... ... ... | ... | ... | ... | 11,918 | ... | 11,918 | |
| (4) In favour of individuals or public bodies for specially recorded reasons ... ... ... | ... | ... | ... | 6,290 | ... | 6,290 | |
| D. Other items ... ... ... ... ... ... ... | * 6,694 | ... | 6,694 | 294 | ... | * 294 | * Details not reported by the Collectors concerned. |
| Total ... | 4,87,071 | ... | 4,87,071 | 73,83,536 | 182 | 73,83,718 | |

# REVENUE AND FINANCE—*continued.*

## (63)—Account of the gross and net revenue for the year 1898–99.

| Sources of income | Gross receipts. | Charges against income. Refunds and drawbacks. | Charges of collection, including cost of salt and opium, and cost of maintaining reproductive works. | Allowances and assignments payable under treaties and engagements. | Allowance to district village officers and inamdars, and charitable grantees. | Total. | Net receipts. | Deficit. |
|---|---|---|---|---|---|---|---|---|
| *Imperial and Provincial.* | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Land revenue | 5,54,06,903 | 1,25,851 | 49,16,702 | 6,32,389 | 5,36,349 | 62,11,291 | 4,91,95,612 | ... |
| Salt | 1,99,84,150 | 9,679 | 17,41,816 | 4,87,290 | ... | 22,38,785 | 1,77,45,345 | ... |
| Stamps | 82,55,812 | 1,10,451 | 3,22,164 | ... | .. | 4,33,415 | 78,33,397 | ... |
| Excise | 1,36,77,423 | 40,921 | 5,62,077 | 3,645 | .. | 10,36,643 | 1,26,40,780 | ... |
| Customs | 36,37,778 | 41,702 | 2,47,057 | 1,44,180 | ... | 4,32,919 | 32,04,859 | ... |
| Assessed taxes | 26,38,703 | 19,270 | 28,937 | .. | ... | 48,207 | 25,90,496 | ... |
| Forest | 21,10,518 | 11,495 | 15,94,670 | ... | ... | 16,06,165 | 5,04,353 | ... |
| Registration | 12,90,870 | 3,488 | 8,42,291 | . | ... | 8,45,779 | 4,45,091 | ... |
| Tributes | 45,10,902 | . | . | | ... | ... | 45,10,902 | ... |
| Post office | 1,43,74,211 | . | 1,91,03,894 | .. | ... | 1,91,03,894 | ... | 47,29,683 |
| Telegraph | 6,91,693 | .. | 51,71,748 | ... | ... | 5,71,748 | 1,19,945 | ... |
| Receipts in aid of superannuation and pensions | 78,986 | | | | ... | ... | 78,986 | ... |
| Public works (Imperial) | 3,47,513 | | .. | .. | ... | .. | 3,47,513 | ... |
| Railways (Imperial) | 1,32,11,739 | | ... | | ... | .. | 1,32,11,739 | ... |
| Sundry other sources of income (Imperial) | 4,55,522 | 946 | . | ... | .. | 946 | 4,54,576 | ... |
| Total | 14,06,83,703 | 3,03,803 | 3,03,62,136 | 12,67,504 | 5,36,349 | 3,25,29,792 | 10,81,53,911 | ... |
| *Deduct* Provincial share | 3,00,49,704 | 1,41,657 | 72,83,359 | ... | ... | 74,25,016 | 2,26,24,688 | ... |
| Net Imperial | 11,06,33,999 | 2,22,146 | 2,30,78,777 | 12,67,504 | 5,36,349 | 2,51,04,776 | 8,55,29,223 | ... |
| *Provincial.* | | | | | | | | |
| Provincial share as above | 3,00,49,704 | 1,41,657 | 72,83,359 | ... | ... | 74,25,016 | 2,26,24,688 | ... |
| Law and justice A. Courts of Law. | 7,98,091 | 90,322 | ... | ... | ... | 90,322 | 7,08,669 | ... |
| Law and justice B. Jails | 4,21,297 | 50 | ... | ... | ... | 50 | 4,21,247 | ... |
| Police | 4,49,850 | 226 | ... | ... | ... | 226 | 4,49,624 | ... |
| Marine | ... | ... | ... | ... | ... | ... | ... | ... |
| Education | 1,81,126 | 491 | ... | ... | ... | 491 | 1,80,635 | ... |
| Medical | 1,16,042 | 432 | ... | ... | ... | 432 | 1,15,610 | ... |
| Scientific and other minor departments | 2,77,884 | 1,008 | ... | ... | ... | 1,008 | 2,76,876 | ... |
| Stationery and printing | 1,16,284 | 189 | ... | ... | ... | 189 | 1,16,095 | ... |
| Public works and irrigation | 6,03,562 | ... | ... | ... | ... | ... | 6,03,562 | ... |
| Superannuations and pensions | 52,842 | 432 | ... | ... | ... | 432 | 52,410 | ... |
| Miscellaneous | 1,78,738 | 129 | ... | ... | ... | 129 | 1,78,609 | ... |
| Total, Provincial | 3,32,46,320 | 2,34,966 | 72,83,359 | ... | ... | 75,18,295 | 2,57,28,025 | ... |
| *Incorporated Local Funds not at the unfettered disposal of Government.* | | | | | | | | |
| Local Funds Act V of 1884. Rates and cesses on lands. | 52,52,788 | 11,279 | ... | ... | ... | 11,279 | 52,41,509 | ... |
| Local Funds Act V of 1884. Educational receipts | 2,35,332 | 124 | ... | ... | ... | 124 | 2,35,208 | ... |
| Local Funds Act V of 1884. Medical receipts | 47,657 | 752 | ... | ... | ... | 752 | 46,905 | ... |
| Local Funds Act V of 1884. Miscellaneous receipts | 11,38,887 | ... | ... | ... | ... | ... | 11,38,887 | ... |
| Local Funds Act V of 1884. Public Works receipts | 10,49,108 | ... | ... | ... | ... | ... | 10,49,108 | ... |
| Village Service Funds. Deduction from land revenue | 19,90,545 | ... | ... | ... | ... | ... | 19,90,545 | ... |
| Village Service Funds. Rates and cesses on lands. | 19,81,131 | 7,355 | .. | ... | ... | 7,355 | 19,73,776 | ... |
| Village Service Funds. Miscellaneous | 96,229 | ... | ... | ... | ... | ... | 96,229 | ... |
| Irrigation Cess Fund | 54,654 | 227 | ... | ... | ... | 227 | 54,427 | ... |
| Sundry other Funds | 7,660 | ... | ... | ... | ... | ... | 7,660 | ... |
| Total, Incorporated Local Funds. | 1,18,53,991 | 19,737 | ... | ... | ... | 19,737 | 1,18,34,254 | ... |
| *Excluded Funds.* | | | | | | | | |
| Port and Marine funds | 8,88,343 | ... | ... | ... | ... | ... | 8,88,343 | ... |
| Grand Total from all sources | 15,66,22,653 | 4,76,819 | 3,03,62,136 | 12,67,504 | 5,36,349 | 3,26,42,808 | 12,39,79,845 | ... |

# REVENUE AND FINANCE—*continued.*

## (64)—*Account of expenditure from the revenue for the year* 1898–99.

| Subject of expenditure. | Accounts. 1897–98. | Accounts. 1898–99. |
|---|---|---|
| *Imperial and Provincial* | Rs. | |
| Civil and political establishments and contingencies | 13,78,097 | 13,63,427 |
| Marine charges | 7,999 | 8,122 |
| Ecclesiastical charges | 3,86,787 | 3,46,082 |
| Superannuation allowances and pensions | 16,22,773 | 16,42,687 |
| Famine Relief (Imperial) | 73,29,946 | 11,585 |
| Public Works { Civil (Imperial) | 1,77,62,957 | 1,59,43,701 |
| Public Works { Military (Imperial) | 75,266 | 69,926 |
| Public Works { Irrigation (Imperial) | 23,20,313 | 20,11,888 |
| Miscellaneous (Imperial) | 4,75,314 | 5,60,[illegible] / 6,854 |
| Total, Imperial and Provincial | 3,13,59,452 | 2,19,64,474 |
| *Deduct* Provincial shares | 26,89,218 | 26,80,325 |
| Net Imperial | 2,86,70,234 | 1,92,84,149 |
| *Provincial.* | | |
| Provincial share as above | 26,89,218 | 26,80,325 |
| Buildings, roads and services | 21,23,891 | 26,91,844 |
| Judicial charges | 45,31,277 | 45,22,969 |
| Prisons | 11,57,474 | 11,88,182 |
| Police | 46,61,202 | 45,47,496 |
| Education | 17,46,913 | 18,04,055 |
| Medical | 13,04,751 | 14,88,954 |
| Stationery and printing | 10,35,824 | 9,66,365 |
| Famine relief | 15,97,382 | 7,572 |
| Irrigation and navigation | 32,38,736 | 32,68,760 |
| Miscellaneous railway expenditure | ... | ... |
| Construction of railways | 1,77,438 | 1,68,010 |
| Miscellaneous | 7,04,528 | 8,26,041 |
| Total, Provincial | 2,49,68,634 | 2,41,63,573 |
| *Incorporated Local Funds not at the unfettered disposal of Government.* | | |
| Local Funds Act V of 1884. { Public Works | 42,36,363 | 40,69,345 |
| Local Funds Act V of 1884. { Education | 10,75,749 | 10,75,168 |
| Local Funds Act V of 1884. { Hospitals and dispensaries | 7,68,010 | 11,69,794 |
| Local Funds Act V of 1884. { Sanitation and public and charitable institutions | 7,41,724 | 7,24,840 |
| Local Funds Act V of 1884. { Famine Relief | ... | ... |
| Local Funds Act V of 1884. { Miscellaneous | 6,59,501 | 6,76,191 |
| Village Service Fund | 46,13,724 | 47,11,051 |
| Irrigation Cess Fund | 55,386 | 53,696 |
| Sundry other Funds | 5,418 | 6,722 |
| Total, Incorporated Local Funds | 1,21,55,875 | 1,24,86,807 |
| *Excluded Funds.* | | |
| Port and Marine Funds | 5,66,880 | 6,94,514 |
| University Fee Fund | 1,65,130 | 2,05,058 |
| Cantonment Funds | 27,022 | 27,882 |
| Total, Excluded Funds | 7,59,032 | 9,27,454 |
| Grand Total of expenditure from the net revenue | 6,65,53,775 | 5,68,61,983 |

## (65)—*Account of the cash receipts and disbursements of the treasuries for the year* 1898–99.

| Receipts. | Amount. | Disbursements. | Amount. |
|---|---|---|---|
| | RS. | | RS. |
| Cash balance of last year | 4,25,10,476 | Expenditure as per Statement No. 64 | 5,68,61,983 |
| Net revenue as per Statement No. 63 | 12,39,79,845 | Interest on Provincial loans | 2,03,656 |
| Interest on local loans | 6,23,864 | Do. on Imperial loans | 33,25,114 |
| Guaranteed railways | 1,15,42,652 | Do. on local loans | 24,155 |
| Southern Mahratta Railway | 5,91,018 | Guaranteed railways | 57,69,137 |
| Service Fund deposits | 31,607 | Southern Mahratta Railway | 11,84,964 |
| Advances repayable | 1,01,10,760 | Service Fund deposits | 29,371 |
| Local loans | 9,55,867 | Advances | 1,01,72,372 |
| Bills on local treasuries | 44,42,561 | Other deposits | 2,42,63,668 |
| Bills on other Governments | 8,74,417 | Local loans | 5,26,008 |
| Miscellaneous receipts on account of other Governments and London | 21,63,249 | Bills on local treasuries | 43,37,203 |
| Recovery of advances made in London | 1,09,061 | Bills on other Governments | 8,95,531 |
| Other Deposits | 2,31,71,457 | Council bills paid | 2,26,37,442 |
| | | Cash remittances to other Governments | 4,01,69,959 |
| | | Net payments on account of exchange | 1,10,24,638 |
| | | Departmental balance decreased | 1,11,374 |
| Total receipts including balance | 22,11,06,834 | Net unadjusted debits | 1,39,89,234 |
| *Deduct* disbursements | 19,58,65,809 | Secretary of State outstanding | 3,40,000 |
| Cash at the end of the year | 2,52,41,025 | Total disbursements | 19,58,65,809 |

# CHAPTER VI.—VITAL STATISTICS.

# A.—BIRTHS AND DEATHS.

(66)—*Statement showing the births and deaths registered in the districts of the Madras Presidency during the year* 1898.

| Number. | Population (exclusive of Europeans and Eurasians) as per Census of 1891. | Districts. | Population (exclusive of Europeans and Eurasians) for which returns were received. | Births. Number of births registered (exclusive of Europeans and Eurasians and still-births. | Births. Ratio of births per 1,000 of population. | Births. Number of males born to every 100 females born. | Births. Excess of births over deaths per 1,000 of population. | Deaths. Excess of deaths over births per 1,000 of population. | Deaths. Number of deaths registered (exclusive of Europeans and Eurasians and born dead. | Deaths. Number of deaths of males to every 100 deaths of females. | Deaths. Ratio of deaths per 1,000 of population. | Mean ratio of deaths per 1,000 during previous 5 years. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1 | 727,319 | Anantapur ... | 727,319 | 18,045 | 24·8 | 102·0 | 5·4 | | 14,151 | 106·6 | 19·4 | 19·6 |
| 2 | 890,485 | Bellary . | 890,485 | 26,106 | 29·3 | 103·9 | 6·6 | | 20,227 | 105·3 | 22·7 | 24·5 |
| 3 | 1,1[illegible]91 | Chingleput . . | 1,150,901 | 42,847 | 35·7 | 104·5 | 11·4 | . | 29,148 | 104·3 | 24·3 | 22·1 |
| 4 | 2,0[illegible]3,911 | Coimbatore . | 2,003,911 | 54,650 | 27·3 | 99·0 | 8·8 | | 37,106 | 107·1 | 18·5 | 19·5 |
| 5 | 1,271,721 | Cuddapah . . . | 1,271,721 | 29,672 | 23·3 | 102·1 | 4·5 | | 23,910 | 107·4 | 18·8 | 22·4 |
| 6 | 1,396,400 | Ganjam ... ... | 1,285,898 | 30,557 | 22·9 | 112·8 | 0·2 | . | 30,328 | 109·8 | 22·7 | 21·9 |
| 7 | 2,077,858 | Gódávari ... ... | 2,077,858 | 54,413 | 26·2 | 105·2 | 9·5 | | 34,710 | 108·0 | 16·7 | 18·6 |
| 8 | 1,855,024 | Kistna ... ... | 1,855,024 | 63,543 | 34·2 | 102·8 | 11·1 | ... | 42,951 | 108·9 | 23·1 | 19·5 |
| 9 | 817,660 | * Kurnool ... ... | 817,660 | 21,084 | 25·8 | 103·6 | 5·1 | ... | 16,924 | 107·5 | 20·7 | 24·4 |
| 10 | 436,375 | Madras ... ... | 436,375 | 18,100 | 41·5 | 108·3 | | 3·7 | 19,715 | 95·9 | 45·2 | 38·1 |
| 11 | 2,607,762 | Madura ... ... | * 2,099,668 | 47,712 | 22·7 | 104·9 | 7·1 | . . | 32,799 | 108·6 | 15·6 | 20·8 |
| 12 | 2,636,674 | Malabar ... ... | 2,636,674 | 48,992 | 18·6 | 107·0 | 1·1 | .. | 46,236 | 115·8 | 17·5 | 19·3 |
| 13 | 1,403,357 | Nellore ... ... | 1,403,357 | 35,122 | 24·0 | 101·2 | 4·3 | ... | 28,875 | 109·7 | 19·7 | 17·0 |
| 14 | 96,765 | The Nilgiris ... | 96,765 | 2,685 | 27·7 | 95·8 | ... | 3·2 | 2,995 | 118·1 | 30·9 | 24·4 |
| 15 | 2,113,585 | North Arcot ... | 2,113,585 | 56,221 | 26·6 | 104·1 | 8·3 | ... | 38,844 | 103·9 | 18·3 | 17·7 |
| 16 | 1,961,784 | Salem ... ... | 1,961,784 | 62,344 | 31·8 | 105·4 | 11·4 | ... | 40,009 | 102·7 | 20·4 | 18·6 |
| 17 | 2,162,336 | South Arcot ... | 2,162,336 | 63,302 | 29·3 | 104·4 | 4·9 | ... | 52,810 | 106·3 | 24·4 | 21·7 |
| 18 | 1,052,002 | South Canara ... | 1,052,002 | 27,247 | 25·9 | 105·2 | 1·3 | ... | 25,943 | 107·5 | 24·6 | 21·2 |
| 19 | 2,227,081 | Tanjore ... ... | 2,227,081 | 71,432 | 32·0 | 105·2 | 6·1 | ... | 57,758 | 103·4 | 25·9 | 25·8 |
| 20 | 1,915,702 | Tinnevelly ... ... | 1,915,702 | 59,437 | 31·0 | 105·4 | 9·3 | ... | 41,610 | 102·2 | 21·7 | 24·0 |
| 21 | 1,371,726 | Trichinopoly ... | 1,371,726 | 41,796 | 30·5 | 103·4 | 5·9 | ... | 33,702 | 101·0 | 24·6 | 22·6 |
| 22 | 1,942,195 | Vizagapatam ... | 1,531,348 | 36,435 | 23·8 | 103·9 | 5·3 | ... | 28,287 | 109·3 | 18·5 | 20·4 |
| | 34,727,623 | Total for the Presidency ... | 33,248,180 | 911,742 | 27·4 | 104·3 | 6·4 | ... | 699,108 | 106·3 | 21·0 | 21·0 |

* Increase due to the inclusion for the first time of the statistics of Kodaikánal taluk and some of the zamindaris of the district.
NOTE.—The born-dead cases are not included in this or any of the other statements.

# B.—VACCINATION.

(67)—*Return of Vaccine Operations for the past five years.*

| Establishment. | Persons primarily vaccinated. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. | Total number. | Number successfully vaccinated. |
| | 1894-95. | | 1895-96. | | 1896-97. | | 1897-98. | | 1898-99. | |
| Government vaccinators ... | 18,780 | 16,717 | 20,306 | 17,694 | 21,051 | 17,311 | 30,994 | 25,693 | 38,320 | 32,537 |
| Local Fund do. ... | 956,040 | 874,099 | 965,373 | 879,660 | 1,021,642 | 927,372 | 1,021,650 | 915,095 | 873,875 | 757,498 |
| Cantonment do. ... | 2,727 | 2,525 | 4,071 | 3,827 | 4,184 | 3,628 | 4,049 | 3,840 | 4,750 | 4,446 |
| Zamindári do. ... | 5,778 | 4,904 | 6,741 | 5,055 | 7,495 | 6,405 | 10,128 | 9,363 | 10,822 | 9,124 |
| Municipal do. ... | 105,575 | 101,269 | 103,733 | 98,716 | 101,276 | 96,389 | 108,324 | 102,065 | 96,287 | 90,640 |
| Dispensaries ... ... ... | 24,415 | 20,663 | 17,526 | 15,101 | 12,004 | 10,267 | 12,046 | 9,754 | 11,492 | 9,320 |
| Medical subordinates ... ... | 3,505 | 2,930 | 2,775 | 2,214 | 1,295 | 1,088 | 1,955 | 1,511 | 4,173 | 3,239 |
| Total ... | 1,116,820 | 1,023,097 | 1,120,625 | 1,022,267 | 1,173,131 | 1,062,460 | 1,189,146 | 1,067,319 | 1,039,713 | 906,804 |

*N.B.*—The information for 1897-98 and 1898-99 includes secondary vaccination also.

# C.—HOSPITAL RETURN.

(68)—*Statement showing the diseases of the in-door and out-door patients treated in the hospitals and dispensaries of the Madras Presidency.*

| Diseases. | Number of in- and out- patients treated during the year 1898. | | | Number of in-patients treated at the Police hospitals during the year 1898. |
|---|---|---|---|---|
| | In Civil hospitals and dispensaries. | In State hospitals in the Presidency Town. | Total. | |
| General diseases— | | | | |
| Small-pox | 332 | 203 | 535 | 48 |
| Cholera | 9,783 | 507 | 10,290 | 18 |
| Dysentery | 60,794 | 4,564 | 65,358 | 492 |
| Malarial fevers | 419,530 | 20,412 | 439,942 | 4,107 |
| Primary syphilis | 14,064 | 284 | 14,348 | 1,118 |
| Secondary do. | 28,163 | 1,719 | 29,882 | 96 |
| Gonorrhœa | 35,978 | 1,670 | 37,648 | 229 |
| Scurvy | 757 | 18 | 775 | ... |
| Worms | 246,899 | 13,071 | 259,970 | 453 |
| Debility and anæmia | 27,441 | 1,725 | 29,166 | 116 |
| Rheumatic affections | 184,585 | 8,451 | 193,036 | 992 |
| Tuberculous diseases | 5,228 | 901 | 6,129 | 38 |
| Leprosy | 6,466 | 903 | 7,369 | 11 |
| All other general diseases | 197,899 | 13,636 | 211,535 | 1,488 |
| Local diseases— | | | | |
| Diseases of the nervous system | 113,830 | 3,644 | 117,474 | 327 |
| Do. of the eye | 411,216 | 10,411 | 421,627 | 440 |
| Do. of the ear | 212,995 | 11,755 | 224,750 | 322 |
| Do. of the nose | 14,379 | 485 | 14,864 | 27 |
| Do. of the circulatory system | 6,312 | 780 | 7,092 | 23 |
| Do. of the lungs | 10,372 | 508 | 10,880 | 79 |
| Other diseases of the respiratory system | 156,651 | 16,909 | 173,560 | 1,164 |
| Diarrhœa | 31,071 | 2,780 | 33,851 | 135 |
| Dyspepsia | 51,773 | 2,647 | 54,420 | 197 |
| Diseases of the liver | 16,892 | 896 | 17,788 | 105 |
| Other diseases of the digestive system | 501,406 | 24,261 | 525,667 | 3,053 |
| Diseases of the spleen | 4,654 | 478 | 5,132 | 34 |
| Other diseases of the lymphatic system | 15,491 | 1,549 | 17,040 | 53 |
| Goitre | 319 | 8 | 327 | ... |
| Diseases of the urinary system | 19,161 | 1,529 | 20,690 | 67 |
| Soft chancre | 5,123 | 863 | 5,986 | 43 |
| Other diseases of the generative system | 43,126 | 11,530 | 54,656 | 112 |
| Diseases of the organs of locomotion | 20,534 | 914 | 21,448 | 97 |
| Do. of the connective tissue | 113,208 | 8,400 | 121,608 | 481 |
| Ulcers | 444,949 | 8,764 | 453,713 | 820 |
| Other diseases of the skin | 412,608 | 12,399 | 425,007 | 1,012 |
| All other local diseases | 6,783 | 54 | 6,837 | 40 |
| General injuries | 8,654 | 134 | 8,788 | 11 |
| Local injuries | 197,989 | 11,209 | 209,198 | 826 |
| Poisons | 9,420 | 522 | 9,942 | 19 |
| Not diagnosed | 277 | 971 | 1,248 | 97 |
| Total ... | 4,067,111 | 202,464 | 4,269,575 | 17,790 |

| | Surgical operations. |
|---|---|
| At Civil hospitals and dispensaries ... ... ... ... | 147,011 |
| At State hospitals in the Presidency Town ... ... | 28,725 |
| At the Police Hospitals ... ... ... ... ... ... | 498 |
| Total ... | 176,234 |

# CHAPTER VII.—INSTRUCTION.

A.—

(69)—*Abstract return of colleges, schools and scholars in the*

| Area and population. | | | | | Public | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | University education. | | School educa n, general. | |
| Total area in square miles. | Number of towns and villages. | Population. | | | Arts colleges. | Professional colleges. | Secondary schools. | Primary schools. |
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 |
| | | | Institutions | For males ... | 38 | 6 | 530 | 19,989 |
| | | | | For females. | 2 | ... | 224 | 850 |
| | | | | Total ... | 40 | 6 | 754 | 20,839 |
| 141,350 | Towns ... 214 | Males ... 17,619,395 | Scholars ... | Males ... | 3,501 | 706 | 73,020 | 532,300 |
| | Villages ... 56,889 | Females ... 18,011,045 | | Females ... | 25 | 3 | 21,538 | 91,117 |
| | Total ... 57,103 | Total ... 35,630,440 | | Total ... | 3,526 | 709 | 94,558 | 623,417 |

(70)—*Abstract return of expenditure on public instruction*

| | Total direct expenditure on public instruction. | | | | | | |
|---|---|---|---|---|---|---|---|
| | University education. | | School education, general. | | School education, special. | | Total. |
| | Arts colleges. | Professional colleges. | Secondary schools. | Primary schools. | Training schools. | All other special schools. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1. Institutions ... For male scholars | 6,29,421 | 2,41,772 | 16,45,441 | 18,52,636 | 1,56,153 | 2,74,509 | 47,99,932 |
| For female scholars | 4,147 | ..... | 5,54,871 | 2,65,470 | 51,074 | 17,456 | 8,93,018 |
| Total ... | 6,33,568 | 2,41,772 | 22,00,312 | 21,18,106 | 2,07,227 | 2,91,965 | 56,92,950 |
| 2 (*a*) Percentages of Provincial expenditure included in columns 2—17 to total Provincial expenditure on public instruction. | 13·47 | 5·49 | 20·79 | 14·04 | 8·09 | 5·20 | 70·08 |
| (*b*) Percentages of Local Fund expenditure included in columns 2—17 to total Local Fund expenditure on public instruction. | ..... | ..... | 3·56 | 72·04 | 2·74 | 4·91 | 83·25 |
| (*c*) Percentages of Municipal expenditure included in columns 2—17 to total Municipal expenditure on public instruction. | ·20 | ..... | 17·57 | 61·90 | ·52 | 9·91 | 90·10 |
| (*d*) Percentages on total expenditure included in columns 2—17 to total expenditure on public instruction. | 8·89 | 3·39 | 30·87 | 29·72 | 2·91 | 4·10 | 79·88 |
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 3. Average annual cost of educating each pupil in— Government institutions. Cost to Provincial Revenues | 253 3 6 | 192 3 1 | 17 8 10 | 8 1 11 | 113 8 11 | 69 9 0 | 32 3 3 |
| Cost to Local and Municipal Funds | ..... | ..... | ..... | ..... | 0 13 2 | 45 0 5 | 2 4 4 |
| Total cost ... | 338 8 9 | 283 7 0 | 29 12 7 | 8 9 0 | 115 0 10 | 141 15 2 | 45 11 4 |
| Local Fund schools. Cost to Provincial Revenues | ..... | ..... | 3 2 0 | 0 6 2 | 13 12 9 | 6 14 8 | 0 11 5 |
| Cost to Local Funds ... | ..... | ..... | 2 4 3 | 3 3 5 | 83 12 6 | 19 3 11 | 3 5 7 |
| Total cost ... | ..... | ..... | 16 8 1 | 4 8 5 | 99 3 9 | 57 10 11 | 5 15 0 |
| Municipal schools. Cost to Provincial Revenues | 35 2 11 | ..... | 4 7 0 | 0 6 5 | ..... | 1 13 5 | 1 8 9 |
| Cost to Municipal Funds | 3 7 1 | ..... | 0 7 6 | 4 11 4 | ..... | 10 10 5 | 3 12 10 |
| Total cost ... | 109 7 5 | ..... | 24 9 6 | 6 2 8 | ..... | 14 9 7 | 10 14 7 |
| Institutions in Native States ... ... Total cost ... | ..... | ..... | 15 0 8 | ..... | ..... | ..... | 15 0 8 |
| Aided institutions... Cost to Provincial Revenues | 40 11 5 | ..... | 3 9 3 | 0 5 7 | 80 1 2 | 8 4 5 | 1 2 9 |
| Cost to Local and Municipal Funds | ..... | ..... | 0 12 0 | 0 13 10 | 1 2 7 | ..... | 0 10 11 |
| Total cost ... | 161 9 1 | ..... | 25 13 0 | 3 6 9 | 141 11 11 | 48 13 11 | 7 15 8 |
| Unaided institutions ... ... ... ... ... Total cost ... | 195 7 4 | ..... | 18 8 1 | 1 15 4 | 291 8 0 | 99 0 6 | 3 4 3 |
| All institutions ... Cost to Provincial Revenues | 80 2 5 | 192 3 1 | 4 6 11 | 0 7 2 | 90 10 8 | 27 5 6 | 1 14 9 |
| Cost to Local and Municipal Funds | 0 2 4 | ..... | 0 12 6 | 1 3 5 | 13 10 8 | 17 4 11 | 1 4 3 |
| Total cost ... | 195 4 10 | 283 7 0 | 24 4 11 | 3 8 2 | 120 4 4 | 79 8 10 | 8 1 6 |

# EDUCATION.

*Madras Presidency for the official year* 1898–99.

| nstitutions. | | | Private institutions. | | | | |
|---|---|---|---|---|---|---|---|
| School education, special. | | | | | | | |
| Training schools. | All other special schools. | Total of public institutions. | Advanced. | Elementary. | Grand Total. | Percentages of | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 61 | 38 | 20,962 | 229 | 5,224 | 26,115 | Institutions to number of towns and villages. | 45·73 |
| 19 | 10 | 1,105 | ... | 43 | 1,148 | | 2·01 |
| 80 | 48 | 21,767 | 229 | 5,267 | 27,263 | | 47·74 |
| 1,407 | 3,106 | 614,040 | 5,101 | 96,622 | 715,763 | Male scholars to male population of school age. | 27·08 |
| 337 | 611 | 113,631 | 116 | 10,537 | 124,284 | Female scholars to female population of school age. | 4·60 |
| 1,744 | 3,717 | 727,671 | 5,217 | 107,159 | 840,047 | | 15·72 |

*in the Madras Presidency for the official year* 1898–99.

| Total indirect expenditure on public instruction. | | | | | | | | Total expenditure on public instruction. |
|---|---|---|---|---|---|---|---|---|
| University. | Direction. | Inspection. | Scholarships. | Buildings. | Special grants for furniture and apparatus. | Miscellaneous. | Total. | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1,80,103 | 56,477 | 4,12,829 | 93,784 | 3,85,770 | 22,514 | 2,82,554 | 14,34,031 | 71,26,981 |
| 1,80,103 | 56,477 | 4,12,829 | 93,784 | 3,85,770 | 22,514 | 2,82,554 | 14,34,031 | 71,26,981 |
| ..... | 2·92 | 15·29 | 3·0 | 4·75 | ·99 | 2·88 | 29·92 | 100·00 |
| ..... | ..... | 12·50 | ·98 | 2·97 | ·21 | ..... | 16·75 | 100·00 |
| ..... | ..... | 6·33 | ·47 | 2·35 | ·75 | ..... | 9·90 | 100·00 |
| 2·53 | ·79 | 5·79 | 1·32 | 5·41 | ·32 | 3·96 | 20·12 | 100·00 |

# A.—EDUCATION—

## (71)—*Return of colleges, schools and scholars in the*

Public institutions.

| Class of institutions. | Under public management. | | | | | | | | Under private management. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Managed by Government. | | | | Managed by Local Fund and Municipal Boards. | | | | Managed by Native States. | | | | Aided by Government or by Local Fund or by Municipal Boards. | | | |
| | Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. | Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. | Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. | Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| **University education.** | | | | | | | | | | | | | | | | |
| *Arts Colleges.* | | | | | | | | | | | | | | | | |
| English .. ... .. for boys | 4 | 700 | 632 | 562 | 3 | 138 | 136 | 120 | ... | ... | ... | ... | 28 | 2,523 | 2,382 | 2,119 |
| English .. ... .. for girls | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 7 | 6 | 5 |
| Oriental ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 4 | 700 | 632 | 562 | 3 | 138 | 136 | 120 | ... | ... | ... | ... | 30 | 2,530 | 2,388 | 2,124 |
| *Colleges or departments of colleges for professional training.* | | | | | | | | | | | | | | | | |
| Law ... ... ... ... ... ... | 1 | 417 | 545 | 436 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Medicine ... ... ... ... ... | 1 | 79 | 79 | 77 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Engineering ... ... ... ... ... | 1 | 96 | 121 | 117 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Teaching ... ... ... ... ... | 2 | 71 | 65 | 63 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Agriculture ... ... ... ... ... | 1 | 46 | 43 | 40 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 6 | 709 | 853 | 733 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **School education, general.** | | | | | | | | | | | | | | | | |
| *Secondary schools.* | | | | | | | | | | | | | | | | |
| For boys — High schools, English ... | 5 | 1,340 | 1,297 | 1,180 | 25 | 5,160 | 4,934 | 4,317 | ... | ... | ... | ... | 94 | 27,689 | 26,504 | 23,271 |
| For boys — Middle schools, English ... | 7 | 755 | 700 | 559 | 83 | 7,542 | 7,405 | 6,446 | 1 | 85 | 94 | 83 | 150 | 15,269 | 14,481 | 12,219 |
| For boys — Middle schools, Vernacular ... | 4 | 365 | 353 | 280 | 28 | 2,851 | 2,851 | 2,453 | ... | .. | .. | ... | 49 | 3,985 | 3,751 | 3,184 |
| For girls — High schools, English ... | 1 | 165 | 155 | 121 | ... | ... | ... | ... | ... | .. | .. | ... | 19 | 2,094 | 1,990 | 1,701 |
| For girls — High schools, Vernacular ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | ... | 2 | 324 | 333 | 204 |
| For girls — Middle schools, English ... | 1 | 62 | 62 | 59 | ... | ... | ... | ... | ... | ... | ... | ... | 41 | 3,749 | 3,588 | 3,630 |
| For girls — Middle schools, Vernacular ... | 59 | 5,499 | 5,189 | 3,969 | 1 | 212 | 203 | 199 | ... | ... | .. | ... | 91 | 8,614 | 8,264 | 6,582 |
| Total ... | 77 | 8,186 | 7,756 | 6,168 | 137 | 15,765 | 15,393 | 13,415 | 1 | 85 | 94 | 83 | 446 | 61,724 | 59,001 | 50,221 |
| *Primary schools.* | | | | | | | | | | | | | | | | |
| For boys ... ... ... ... ... | 191 | 6,901 | 6,801 | 5,323 | 2,815 | 129,449 | 127,805 | 107,186 | ... | ... | .. | ... | 10,932 | 326,472 | 315,145 | 268,187 |
| For girls ... ... ... ... ... | 95 | 5,391 | 5,289 | 4,112 | 24 | 1,389 | 1,323 | 972 | ... | . | | ... | 582 | 25,433 | 24,596 | 19,172 |
| Total ... | 286 | 12,292 | 12,090 | 9,435 | 2,839 | 130,838 | 129,128 | 108,158 | ... | ... | .. | ... | 11,514 | 351,905 | 339,741 | 287,359 |
| **School education, special.** | | | | | | | | | | | | | | | | |
| *Schools for special instruction.* | | | | | | | | | | | | | | | | |
| Training schools for masters ... ... | 33 | 956 | 954 | 873 | 18 | 256 | 259 | 241 | ... | .. | ... | ... | 9 | 201 | 200 | 192 |
| Do. for mistresses .. ... | 4 | 98 | 91 | 86 | ... | ... | ... | ... | ... | ... | ... | ... | 15 | 228 | 213 | 201 |
| Schools of Art ... ... ... ... | 1 | 525 | 503 | 310 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Law schools ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Medical schools ... ... ... ... | 1 | 360 | 366 | 349 | 1 | 50 | 49 | 48 | ... | ... | .. | ... | ... | ... | ... | ... |
| Engineering and Surveying schools ... | 1 | 167 | 170 | 164 | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Industrial schools ... ... ... ... | ... | ... | ... | ... | 1 | 47 | 48 | 42 | ... | ... | ... | ... | 6 | 173 | 159 | 131 |
| Other schools ... ... ... ... ... | 2 | 177 | 128 | 89 | 6 | 376 | 381 | 295 | ... | ... | ... | ... | 27 | 1,777 | 1,806 | 1,438 |
| Total ... | 42 | 2,283 | 2,212 | 1,871 | 26 | 729 | 737 | 626 | ... | ... | ... | ... | 57 | 2,379 | 2,378 | 1,962 |
| Total of Colleges and Schools of Public Instruction ... | 415 | 24,170 | 23,543 | 18,769 | 3,005 | 147,470 | 145,394 | 122,319 | 1 | 85 | 94 | 83 | 12,047 | 418,538 | 403,458 | 341,666 |
| **Private institutions.** | | | | | | | | | | | | | | | | |
| 1. Advanced, teaching— | | | | | | | | | | | | | | | | |
| (a) Arabic or Persian ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (b) Sanskrit ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (c) Any other Oriental classic ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2. Elementary, teaching— | | | | | | | | | | | | | | | | |
| A vernacular only or mainly— | | | | | | | | | | | | | | | | |
| For boys ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| For girls ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 3. Elementary, teaching the Quran— | | | | | | | | | | | | | | | | |
| For boys ... ... ... | ... | ... | 6... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... |
| For girls ... ... ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4. Other schools not conforming to departmental standards— | | | | | | | | | | | | | | | | |
| For boys ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| For girls ... ... ... | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... |
| Total of Private Institutions ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Grand total ... | 415 | 24,170 | 23,543 | 18,769 | 3,005 | 147,470 | 145,394 | 122,319 | 1 | 85 | 94 | 83 | 12,047 | 418,538 | 403,458 | 341,666 |

*continued.*

*Madras Presidency for the official year* 1898-99.

| management. | | | | | | Number of scholars on the 31st March, learning | | | Classification of scholars on the 31st March according to race or creed. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unaided. | | | | | | | | | | | | | | | |
| Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. | Grand total of institutions. | Grand total of scholars on the 31st March. | English. | A classical language. | A vernacular language. | Europeans and Eurasians. | Native Christians. | Hindus. | Muhammadans. | Others. | Number of girls in boys' schools. | Number of boys in girls' schools. |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| 3 | 158 | 138 | 125 | 38 | 3,519 | 3,458 | 961 | 2,482 | 49 | 252 | 3,131 | 73 | 14 | 18 | ... |
| ... | ... | ... | ... | 2 | 7 | 7 | 3 | 4 | 2 | 4 | 1 | .. | .. | ... | ... |
| ... | ... | ... | ... | ... | ... | .. | ... | ... | . | | | .. | .. | ... | ... |
| 3 | 158 | 138 | 125 | 40 | 3,526 | 3,465 | 964 | 2,486 | 51 | 256 | 3,132 | 73 | 14 | 18 | ... |
| ... | ... | ... | ... | 1 | 417 | 417 | ... | ... | .. | 17 | 395 | 5 | ... | ... | .. |
| ... | ... | ... | ... | 1 | 79 | 79 | ... | .. | 11 | 22 | 43 | 3 | ... | 3 | ... |
| ... | ... | ... | ... | 1 | 96 | 96 | ... | ... | 13 | 1 | 82 | ... | ... | ... | ... |
| ... | ... | ... | ... | 2 | 71 | 71 | ... | ... | ... | 13 | 58 | ... | ... | ... | ... |
| ... | ... | ... | ... | 1 | 46 | 46 | ... | ... | ... | 1 | 43 | 2 | ... | ... | ... |
| ... | ... | ... | ... | 6 | 709 | 709 | ... | ... | 24 | 54 | 621 | 10 | ... | 3 | ... |
| 20 | 5,187 | 4,899 | 4,298 | 144 | 39,376 | 39,057 | 6,829 | 32,838 | 1,679 | 4,125 | 31,389 | 2,148 | 35 | 77 | ... |
| 31 | 1,960 | 1,842 | 1,568 | 272 | 25,611 | 24,088 | 1,379 | 23,535 | 1,432 | 3,146 | 19,794 | 1,183 | 56 | 957 | ... |
| 33 | 1,275 | 1,156 | 978 | 114 | 8,476 | 5,875 | 189 | 8,672 | 3 | 1,380 | 6,246 | 845 | 2 | 634 | ... |
| 2 | 22 | 22 | 19 | 22 | 2,281 | 2,281 | 473 | 729 | 1,429 | 693 | 141 | 1 | 17 | ... | 319 |
| ... | ... | ... | ... | 2 | 324 | 516 | ... | 298 | ... | 7 | 317 | ... | ... | ... | 7 |
| 2 | 85 | 79 | 66 | 44 | 3,896 | 3,599 | 6 | 2,142 | 1,697 | 1,860 | 320 | 2 | 17 | ... | 680 |
| 5 | 269 | 273 | 240 | 156 | 14,594 | 2,854 | 14 | 14,630 | 29 | 3,777 | 10,427 | 289 | 72 | ... | 219 |
| 93 | 8,798 | 8,271 | 7,169 | 754 | 94,558 | 78,070 | 8,890 | 82,844 | 6,269 | 14,988 | 68,634 | 4,468 | 199 | 1,668 | 1,225 |
| 6,051 | 124,429 | 118,608 | 102,864 | 19,989 | 587,251 | 68,430 | 21,067 | 597,814 | 520 | 37,428 | 486,328 | 59,901 | 3,074 | 56,471 | ... |
| 149 | 3,953 | 3,700 | 3,070 | 850 | 36,166 | 2,082 | 1,789 | 35,749 | 354 | 4,722 | 26,899 | 4,137 | 54 | ... | 1,520 |
| 6,200 | 128,382 | 122,308 | 105,934 | 20,839 | 623,417 | 70,512 | 22,856 | 633,563 | 874 | 42,150 | 513,227 | 64,038 | 3,128 | 56,471 | 1,520 |
| 1 | 5 | 6 | 6 | 61 | 1,418 | 134 | ... | 1,284 | ... | 361 | 984 | 73 | ... | 11 | * ... |
| ... | ... | ... | ... | 19 | 326 | 63 | ... | 263 | 40 | 241 | 26 | 19 | ... | ... | ... |
| ... | ... | ... | .. | 1 | 525 | 269 | ... | 256 | 32 | 58 | 402 | 33 | ... | 25 | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | 2 | 410 | 410 | ... | ... | 75 | 68 | 221 | 36 | 10 | 29 | ... |
| ... | ... | ... | ... | 1 | 167 | 128 | ... | 39 | ... | 8 | 156 | 3 | ... | ... | ... |
| 1 | 33 | 30 | 25 | * 8 | 253 | 30 | ... | 223 | 23 | 91 | 124 | 15 | ... | ... | ... |
| 1 | 32 | 30 | 25 | † 36 | 2,362 | 1,470 | ... | 892 | 539 | 525 | 1,016 | 281 | 1 | 3 | 44 |
| 3 | 70 | 66 | 56 | 128 | 5,461 | 2,504 | ... | 2,957 | 709 | 1,352 | 2,929 | 460 | 11 | 68 | 44 |
| 6,299 | 137,408 | 130,783 | 113,284 | 21,767 | 727,671 | 155,260 | 32,710 | 721,850 | 7,927 | 58,800 | 588,543 | 69,049 | 3,352 | 58,228 | 2,789 |
| ... | ... | ... | ... | 50 | 2,695 | 40 | 2,901 | 859 | ... | ... | ... | 2,605 | ... | 105 | ... |
| ... | ... | ... | ... | 179 | 2,612 | ... | 2,607 | 281 | ... | ... | 2,612 | ... | ... | 11 | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | 4,326 | 79,871 | 152 | 638 | 79,718 | ... | 2,959 | 73,832 | 3,041 | 39 | 4,100 | ... |
| ... | ... | ... | ... | 1 | 15 | ... | ... | 15 | ... | ... | 15 | ... | ... | ... | ... |
| ... | ... | ... | ... | 898 | 26,118 | 115 | 25,188 | 3,248 | ... | 22 | 52 | 26,044 | ... | 5,334 | ... |
| ... | ... | ... | ... | 42 | 1,155 | ... | 1,155 | 102 | ... | ... | ... | 1,155 | ... | ... | 67 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| ... | ... | ... | ... | 5,496 | 112,376 | 307 | 32,489 | 84,223 | ... | 2,981 | 76,511 | 32,845 | 39 | 9,550 | 67 |
| 6,299 | 137,408 | 130,783 | 113,284 | 27,263 | 840,047 | 155,567 | 65,199 | 806,073 | 7,927 | 61,781 | 665,054 | 101,894 | 3,391 | 67,778 | 2,856 |

* Of these, two are for girls with 48 pupils (all girls).

† Of these, eight are for girls with 44 boys and 506 girls.

## A.—EDUCATION—

(71a)—*Return of colleges, schools and scholars for Europeans*

| Class of institutions. | Public institutions. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Under public management. | | | | | | | | | | | | Under private | | | |
| | Managed by Government. | | | | Managed by Local Fund and Municipal Boards. | | | | Managed by Native States. | | | | Aided by Government or by Local Fund or Municipal Boards. | | | |
| | Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. | Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. | Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. | Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| *Arts Colleges.* | | | | | | | | | | | | | | | | |
| University education. English For boys | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 53 | 41 | 36 |
| University education. English For girls | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 4 | 4 | 3 |
| University education. Oriental | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 57 | 45 | 39 |
| *Secondary schools.* | | | | | | | | | | | | | | | | |
| School education, general. For boys... High schools, English | 1 | 286 | 327 | 300 | 1 | 79 | 75 | 65 | ... | ... | ... | ... | 9 | 1,674 | 1,585 | 1,385 |
| School education, general. For boys... Middle schools, English | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21 | 1,697 | 1,619 | 1,355 |
| School education, general. For girls... High schools, English | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 | 1,464 | 1,404 | 1,186 |
| School education, general. For girls... Middle schools, English | 1 | 62 | 62 | 59 | ... | ... | ... | ... | ... | ... | ... | ... | 25 | 1,587 | 1,528 | 1,287 |
| Total | 2 | 348 | 389 | 359 | 1 | 79 | 75 | 65 | ... | ... | ... | ... | 67 | 6,422 | 6,136 | 5,213 |
| *Primary schools.* | | | | | | | | | | | | | | | | |
| School education, general. For boys | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 382 | 377 | 309 |
| School education, general. For girls | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | 339 | 297 | 251 |
| Total | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 13 | 721 | 674 | 560 |
| *Schools for special instruction.* | | | | | | | | | | | | | | | | |
| School education, special. Industrial schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 23 | 23 | 20 |
| School education, special. Other schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 521 | 503 | 378 |
| Total | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | 544 | 526 | 398 |
| Total of public institutions | 2 | 348 | 389 | 359 | 1 | 79 | 75 | 65 | ... | ... | ... | ... | 91 | 7,744 | 7,381 | 6,210 |
| Private institutions | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Grand total | 2 | 348 | 389 | 359 | 1 | 79 | 75 | 65 | ... | ... | ... | ... | 91 | 7,744 | 7,381 | 6,210 |

*continued.*

*in the Madras Presidency for the official year* 1898-99.

| management. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unaided. | | | | | | Number of scholars on 31st March learning | | | Classification of scholars on 31st March according to race or creed. | | | | | | | |
| Number of institutions. | Number of scholars on the rolls on 31st March. | Average number on the rolls monthly during the year. | Average daily attendance. | Grand total of public institutions. | Grand total of scholars on the 31st March. | English. | A classical language. | A vernacular language. | Europeans and Eurasians. | Native Christians. | Hindus. | Muhammadans. | Others. | Number of girls in boys' schools. | Number of boys in girls' schools. |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| ... | ... | ... | ... | 3 | 53 | 53 | 25 | 28 | 25 | 1 | 27 | ... | ... | 12 | ... |
| ... | ... | ... | ... | 1 | 4 | 4 | 3 | 1 | 2 | 1 | 1 | ... | . | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | 4 | 57 | 57 | 28 | 29 | 27 | 2 | 28 | ... | ... | 12 | ... |
| ... | ... | ... | ... | 11 | 2,039 | 2,039 | 832 | 972 | 1,526 | 231 | 240 | 37 | 5 | 46 | ... |
| ... | ... | ... | ... | 21 | 1,697 | 1,697 | 12 | 865 | 1,328 | 165 | 188 | 7 | 9 | 382 | ... |
| 1 | 13 | 13 | 11 | 13 | 1,477 | 1,477 | 452 | 89 | 1,384 | 54 | 31 | 1 | 7 | ... | 272 |
| 1 | 44 | 40 | 37 | 27 | 1,693 | 1,693 | 2 | 242 | 1,576 | 68 | 36 | ... | 13 | ... | 399 |
| 2 | 57 | 53 | 48 | 72 | 6,906 | 6,906 | 1,298 | 2,168 | 5,814 | 518 | 495 | 45 | 34 | 428 | 671 |
| ... | ... | ... | ... | 6 | 382 | 382 | ... | 38 | 382 | ... | ... | ... | ... | 148 | ... |
| 1 | 23 | 29 | 17 | 8 | 362 | 362 | ... | ... | 350 | 5 | 3 | ... | 4 | ... | 109 |
| 1 | 23 | 29 | 17 | 14 | 744 | 744 | ... | 38 | 732 | 5 | 3 | ... | 4 | 148 | 109 |
| ... | ... | ... | ... | 1 | 23 | 23 | ... | ... | 23 | ... | .. | ... | ... | ... | ... |
| ... | ... | ... | ... | * 6 | 521 | 521 | ... | ... | 503 | 17 | ... | 1 | ... | ... | 44 |
| ... | | .. | ... | 7 | 544 | 544 | ... | ... | 526 | 17 | .. | 1 | ... | ... | 44 |
| 3 | 80 | 82 | 65 | 97 | 8,251 | 8,251 | 1,326 | 2,235 | 7,099 | 542 | 526 | 46 | 38 | 588 | 824 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... |
| 3 | 80 | 82 | 65 | 97 | 8,251 | 8,251 | 1,326 | 2,235 | 7,099 | 542 | 526 | 46 | 38 | 588 | 824 |

* Of these, five are for girls with 44 boys and 1 415 girls.

# A.—EDUCATION—

## (72)—*Return of expenditure on public instruction*

| Objects of expenditure. | Public | | | | | | | Under public | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Managed by Government. | | | | | | | Managed by Local Fund and | | | |
| | Provincial revenues. | Local funds. | Municipal funds. | Fees. | Subscriptions. | Endowments and other sources. | Total. | Provincial revenues. | Local funds. | Municipal funds. | Fees. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| University education. — *Arts colleges*— English — for boys | 1,60,035 | ... | ... | 52,007 | ... | (a) 1,919 | 2,13,961 | 4,785 | ... | 468 | 9,571 |
| English — for girls | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Oriental | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| *Colleges or departments of colleges for professional training*— Law | ... | ... | ... | (b) 19,453 | ... | 16 | 49,469 | ... | ... | ... | ... |
| Medicine | 59,157 | ... | ... | 8,360 | ... | 761 | 68,278 | ... | ... | ... | ... |
| Engineering | 45,219 | ... | ... | 7,742 | ... | (c) 4,212 | 57,173 | ... | ... | ... | ... |
| Teaching | 27,919 | ... | ... | 690 | ... | 405 | 29,014 | ... | ... | ... | ... |
| Agriculture | 31,645 | ... | ... | 555 | ... | 5,638 | 37,838 | ... | ... | ... | ... |
| Total | 3,23,975 | ... | ... | 1,18,807 | ... | 12,951 | 4,55,733 | 4,785 | ... | 468 | 9,571 |
| School education, general. — *Secondary schools*— For boys — High schools | (d) 46,934 | ... | ... | 15,388 | ... | (d1) 70,540 | (d2) 1,32,862 | (e) 28,778 | ... | ... | (f)1,10,325 |
| For boys — Middle schools — English | 4,576 | ... | ... | 1,735 | .. | 2 | 10,313 | 21,904 | 12,340 | 145 | 90,975 |
| For boys — Middle schools — Vernacular. | 3,644 | ... | ... | 43 | ... | 4 | 3,691 | 2,967 | 12,009 | 1,639 | 7,221 |
| For girls — High schools — English | 9,530 | ... | ... | 917 | ... | 25 | 10,472 | ... | ... | ... | ... |
| For girls — High schools — Vernacular. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| For girls — Middle schools — English | (g) 16,320 | ... | ... | ... | ... | (g1) 4,422 | (g2) 20,742 | ... | ... | ... | ... |
| For girls — Middle schools — Vernacular. | 51,144 | ... | .. | 1,393 | 14 | 404 | 52,955 | 565 | ... | 408 | 35 |
| Total | 1,36,148 | ... | .. | 19,476 | 14 | 75,397 | 2,31,035 | 54,214 | 24,349 | 2,192 | 2,08,556 |
| *Primary schools*— For boys | 59,234 | ... | ... | 2,082 | ... | 2,666 | 63,982 | 52,732 | 3,58,163 | 74,138 | 1,15,569 |
| For girls | 38,959 | ... | ... | 554 | ... | ... | 39,513 | 2,306 | 3,440 | 3,772 | 279 |
| Total | 98,193 | ... | ... | 2,636 | ... | 2,666 | 1,03,495 | 55,038 | 3,61,603 | 77,910 | 1,15,848 |
| School education, special. — *Schools for special instruction*— Training schools for masters | 1,02,383 | (i) 139 | (h1)721 | 306 | 27 | 272 | 1,03,828 | 4,480 | 21,700 | 512 | 6 |
| Do. for mistresses | 16,305 | ... | ... | 95 | ... | ... | 16,400 | ... | ... | ... | ... |
| Schools of Art | 26,588 | ... | ... | 1,460 | .. | 9,457 | 37,505 | ... | ... | ... | ... |
| Law schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Medical schools | 30,412 | 32,243 | 20,000 | 7,382 | ... | ... | 90,037 | ... | ... | 1,020 | 1,165 |
| Engineering and Surveying schools. | 10,557 | ... | ... | 5,249 | ... | 2,078 | 17,884 | ... | ... | ... | ... |
| Industrial schools | ... | ... | ... | ... | ... | ... | ... | 805 | 3,442 | ... | ... |
| Other schools | (i) 13,621 | ... | 300 | 705 | ... | (i1) 5,600 | (i2) 20,226 | 2,121 | 4,314 | 2,199 | 194 |
| Total | 1,99,846 | 32,382 | 21,021 | 15,197 | 27 | 17,407 | 2,85,880 | 7,106 | 29,456 | 3,731 | 1,365 |
| *Buildings* | (j) 67,389 | ... | ... | ... | ... | ... | 67,389 | 1,511 | 23,603 | 3,750 | ... |
| *Furniture and apparatus* (special grants only) | ... | ... | ... | ... | ... | ... | ... | 2,294 | ... | ... | ... |
| Total | 67,389 | ... | ... | ... | ... | ... | 67,389 | 3,805 | 23,603 | 3,750 | ... |
| *University* | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| *Direction* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| *Inspection* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Scholarships held in — Arts colleges | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Professional colleges | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Secondary schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Primary schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Special schools other than Training schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| *Miscellaneous* | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... |
| Total expenditure on public instruction | 8,25,551 | 32,382 | 21,021 | 1,56,116 | 41 | 1,08,421 | 11,43,532 | 1,25,248 | 4,39,002 | 88,051 | 3,35,340 |

(a) Non-departmental, Rs. 433.
(b) Surplus fees (Law college), Rs. 1,159.
(c) Non-departmental, Rs. 61.
(d) Lawrence Asylum, Male Branch, Provincial grant, Rs. 30,303.
(d1) Lawrence Asylum, Male Branch, Miscellaneous receipts, Rs. 69,505.
(d2) Lawrence Asylum, Male Branch, total cost, Rs. 99,808.
(e) Net cost of Kurnool and Cuddapah High schools, Rs. 4,315.
(f) Surplus fees to local and municipal boards, Rs. 6,754
(g) Lawrence Asylum, Female Branch, Provincial grant.
(g1) Lawrence Asylum, Female Branch, Miscellaneous receipts.
(g2) Lawrence Asylum, Female Branch, total cost.
(h) Non-departmental.
(h1) Non-departmental.
(i) Lawrence Asylum, Technical classes, Provincial grant, Rs. 1,377.
(i1) Lawrence Asylum, Technical classes, Miscellaneous receipts, Rs. 3,159.
(i2) Lawrence Asylum, Technical classes, total cost, Rs. 4,536.
(j) Cost of buildings borne by the Public Works Department.

*continued.*

*in the Madras Presidency for the official year* 1898-99.

Institutions.

management.

Under private management.

| Municipal Boards. | | | Maintained by Native States. | | | | Aided by Government or by Local Fund or Municipal Boards. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subscriptions. | Endowments and other sources. | Total. | Native State revenues. | Local funds in Native States. | Municipal funds raised in Native States. | Fees. | Subscriptions. | Endowments and other sources. | Total. | Provincial revenues. | Local funds. | Municipal funds. | Fees. | Subscriptions. | Endowments and other sources. | Total |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| ... | 63 | 14,387 | ... | ... | . | ... | .. | ... | ... | 94,436 | .. | .. | 1,11,287 | 22,825 | 1,45,052 | 3,73,600 |
| ... | .. | ... | ... | ... | ... | ... | . | .. | ... | 755 | ... | ... | 41 | 41 | 3,310 | 4,147 |
| ... | .. | ... | . | ... | | ... | .. | ... | . | .. | .. | . | ... | ... | .. | ... |
| ... | .. | ... | .. | ... | .. | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | .. |
| ... | ... | .. | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . |
| ... | | ... | ... | ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| ... | .. | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. |
| ... | 63 | 14,387 | ... | ... | ... | ... | ... | ... | ... | 95,191 | ... | ... | 1,11,328 | 22,866 | 1,48,362 | 3,77,747 |
| ... | 1,447 | 1,40,550 | ... | .. | ... | ... | ... | ... | ... | 84,225 | 507 | 21,176 | 4,45,905 | 25,414 | 1,90,336 | 7,67,563 |
| 170 | 197 | 1,26,031 | ... | ... | ... | 457 | ... | 957 | 1,414 | 32,964 | 2,383 | 13,750 | 1,06,627 | 11,631 | 73,698 | 2,41,053 |
| ... | 376 | 24,203 | ... | ... | ... | ... | ... | ... | ... | 5,366 | 1,601 | 4,592 | 11,992 | 11,637 | 21,279 | 56,467 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 23,678 | ... | ... | 54,456 | 13,268 | 73,872 | 1,65,274 |
| ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | 2,116 | ... | ... | 1,419 | 3,141 | ... | 6,676 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30,581 | 102 | ... | 25,312 | 23,539 | 77,353 | 1,56,887 |
| ... | ... | 1,008 | ... | ... | ... | ... | ... | ... | ... | 32,076 | 75 | ... | 9,961 | 20,689 | 66,302 | 1,29,103 |
| 170 | 2,320 | 2,91,792 | ... | ... | ... | 457 | ... | 957 | 1,414 | 2,11,006 | 4,668 | 39,518 | 6,55,672 | 1,09,319 | 5,02,840 | 15,23,023 |
| ... | 1,451 | 6,02,053 | ... | ... | ... | ... | ... | ... | ... | 66,890 | 2,23,777 | 68,865 | 2,93,003 | 30,089 | 2,81,017 | 9,63,641 |
| ... | ... | 9,797 | ... | ... | ... | ... | ... | ... | ... | 50,968 | 1,052 | 153 | 9,213 | 19,508 | 1,18,779 | 1,99,673 |
| ... | 1,451 | 6,11,850 | ... | ... | ... | ... | ... | ... | ... | 1,17,858 | 2,24,829 | 69,018 | 3,02,216 | 49,597 | 3,99,796 | 11,63,314 |
| ... | 12 | 26,710 | ... | ... | ... | ... | ... | ... | ... | 14,625 | 480 | ... | ... | ... | 8,761 | 23,866 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18,445 | ... | ... | 365 | 4,626 | 11,288 | 34,674 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | 5,659 | 5,844 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | 1,922 | 5,489 | ... | ... | ... | ... | ... | ... | ... | 1,271 | ... | ... | 15 | 3,549 | 4,644 | 9,479 |
| ... | 4,200 | 13,028 | ... | ... | ... | ... | ... | ... | ... | 14,986 | ... | ... | 11,637 | 9,670 | 50,258 | 86,551 |
| ... | 9,093 | 51,051 | ... | ... | ... | ... | ... | ... | ... | 49,327 | 480 | ... | 12,017 | 17,845 | 74,901 | 1,54,570 |
| ... | ... | 28,864 | ... | ... | ... | ... | ... | 21 | 21 | 22,899 | 542 | 1,817 | ... | 1,54,576 | 1,09,662 | 2,89,496 |
| ... | ... | 2,294 | .. | ... | ... | ... | ... | ... | ... | 16,743 | 1,687 | 1,790 | ... | ... | ... | 20,220 |
| ... | ... | 31,158 | ... | ... | ... | ... | ... | 21 | 21 | 39,642 | 2,229 | 3,607 | ... | 1,54,576 | 1,09,662 | 3,09,716 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 170 | 12,927 | 10,00,738 | ... | ... | ... | 457 | ... | 978 | 1,435 | 5,13,024 | 2,32,206 | 1,12,143 | 10,81,233 | 3,54,203 | 12,35,561 | 35,28,370 |

## A.—EDUCATION—*continued.*

72.—*Return of expenditure on public instruction in the Madras Presidency for the official year* 1898-99—continued.

| Objects of expenditure. | Public institutions—*cont.* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Under private management—*cont.* | | | | Total expenditure from | | | | | |
| | Unaided. | | | | | | | | | Grand Total. |
| | Fees. | Subscriptions. | Endowments and other sources. | Total. | Provincial revenues. | Local funds. | Municipal funds. | Fees. | All other sources. | |
| | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| University education. — *Arts colleges*— | | | | | | | | | | |
| English { for boys | 5,693 | ... | 21,280 | 26,973 | 2,59,256 | ... | 468 | 1,78,558 | 1,91,139 | 6,29,421 |
| English { for girls | ... | ... | ... | .. | 755 | ... | ... | 41 | 3,351 | 4,147 |
| Oriental | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... |
| *Colleges or departments of colleges for professional training*— | | | | | | | | | | |
| Law | ... | ... | ... | .. | ... | ... | ... | 49,453 | 16 | 49,469 |
| Medicine | ... | ... | ... | ... | 59,157 | ... | .. | 8,360 | 761 | 68,278 |
| Engineering | ... | ... | ... | .. | 45,219 | ... | ... | 7,742 | 4,212 | 57,173 |
| Teaching | ... | ... | ... | ... | 27,919 | ... | ... | 690 | 405 | 29,014 |
| Agriculture | ... | ... | ... | . | 31,645 | ... | ... | 555 | 5,638 | 37,838 |
| Total | 5,693 | ... | 21,280 | 26,973 | 4,23,951 | .. | 468 | 2,45,399 | 2,05,522 | 8,75,340 |
| School education, general. — *Secondary schools*— | | | | | | | | | | |
| For boys { High schools | 82,987 | 782 | 18,189 | 1,01,958 | 1,59,537 | 507 | 21,176 | 6,54,605 | 3,06,708 | 11,42,933 |
| For boys { Middle { English | 14,158 | 942 | 8,855 | 23,955 | 63,444 | 14,723 | 13,895 | 2,13,952 | 96,752 | 4,02,766 |
| For boys { Middle { Vernacular. | 6,734 | 5,860 | 2,847 | 15,381 | 11,977 | 13,601 | 6,251 | 25,490 | 41,943 | 98,742 |
| For girls { High schools { English | 76 | ... | 2,740 | 2,816 | 33,208 | ... | ... | 55,449 | 89,905 | 1,78,562 |
| For girls { High schools { Vernacular. | ... | ... | ... | ... | 2,116 | ... | ... | 1,419 | 3,141 | 6,676 |
| For girls { Middle { English | 374 | 3,379 | 14 | 3,767 | 46,901 | 102 | ... | 25,686 | 1,08,707 | 1,81,396 |
| For girls { Middle { Vernacular. | 588 | 136 | 4,447 | 5,171 | 83,785 | 75 | 408 | 11,977 | 91,992 | 1,88,237 |
| Total | 1,04,917 | 11,039 | 37,092 | 1,53,048 | 4,01,368 | 29,008 | 41,710 | 9,89,078 | 7,39,148 | 22,40,312 |
| *Primary schools*— | | | | | | | | | | |
| For boys | 1,34,230 | 13,012 | 75,718 | 2,22,960 | 1,78,856 | 5,81,940 | 1,43,003 | 5,44,884 | 4,03,953 | 18,52,636 |
| For girls | 803 | 4,416 | 11,268 | 16,487 | 92,233 | 4,492 | 3,925 | 10,849 | 1,53,971 | 2,65,470 |
| Total | 1,35,033 | 17,428 | 86,986 | 2,39,447 | 2,71,089 | 5,86,432 | 1,46,928 | 5,55,733 | 5,57,924 | 21,18,106 |
| School education, special. — *Schools for special instruction*— | | | | | | | | | | |
| Training schools for masters | ... | ... | 1,749 | 1,749 | 1,21,468 | 22,319 | 1,233 | 312 | 10,821 | 1,56,153 |
| Do. for mistresses | ... | ... | ... | ... | 34,750 | ... | ... | 460 | 15,864 | 51,074 |
| Schools of Art | ... | ... | ... | ... | 26,588 | ... | ... | 1,460 | 9,457 | 37,505 |
| Law schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Medical schools | ... | ... | ... | ... | 30,412 | 32,243 | 21,020 | 8,547 | 3,659 | 95,881 |
| Engineering and Surveying schools | ... | ... | ... | ... | 10,557 | ... | ... | 5,240 | 2,078 | 17,884 |
| Industrial schools | ... | ... | 3,670 | 3,670 | 2,076 | 3,442 | ... | 15 | 13,085 | 18,618 |
| Other schools | 189 | ... | 2,083 | 2,272 | 30,728 | 4,314 | 2,499 | 12,725 | 71,811 | 1,22,077 |
| Total | 189 | ... | 7,502 | 7,691 | 2,56,579 | 62,318 | 24,752 | 28,768 | 1,26,775 | 4,99,192 |
| *Buildings* | ... | ... | ... | ... | 91,709 | 24,145 | 5,567 | ... | 2,64,259 | 3,85,770 |
| *Furniture and apparatus* (special grants only) | ... | ... | ... | ... | 19,037 | 1,687 | 1,790 | ... | ... | 22,514 |
| Total | ... | ... | ... | ... | 1,10,836 | 25,832 | 7,357 | ... | 2,64,259 | 4,08,284 |
| *University* | ... | ... | ... | ... | ... | ... | ... | (*k*) 1,63,500 | 16,603 | 1,80,103 |
| *Direction* | ... | ... | ... | ... | 56,477 | ... | ... | ... | ... | 56,477 |
| *Inspection* | ... | ... | ... | ... | (*l*) 2,95,292 | 1,02,511 | 15,026 | ... | ... | 4,12,829 |
| Scholarships held in — Arts colleges | ... | ... | ... | ... | 11,533 | ... | ... | ... | 13,143 | 24,676 |
| Scholarships held in — Professional colleges | .. | ... | ... | ... | 6,857 | ... | ... | ... | 210 | 7,067 |
| Scholarships held in — Secondary schools | ... | ... | ... | ... | 18,483 | ... | ... | ... | 7,924 | 26,407 |
| Scholarships held in — Primary schools | ... | ... | ... | ... | 859 | ... | ... | ... | 10 | 869 |
| Scholarships held in — Special schools other than Training schools | ... | ... | ... | ... | (*m*) 21,867 | 7,979 | 1,117 | ... | 3,802 | 34,765 |
| *Miscellaneous* | ... | ... | ... | ... | 55,558 | ... | ... | 1,41,752 | 85,244 | (*n*) 2,82,554 |
| Total | ... | .. | ... | ... | 4,66,926 | 1,10,490 | 16,143 | 3,05,252 | 1,26,936 | 10,25,747 |
| Total expenditure on public instruction | 2,45,832 | 28,467 | 1,52,860 | 4,27,159 | (*o*) 19,30,749 | 8,14,080 | 2,37,358 | 21,24,230 | 20,20,564 | 71,26,981 |

(*k*) Surplus fees (University), Rs. 23,322.
(*l*) Grants to Mappilla Inspecting Schoolmasters, Malabar, Rs. 768.
(*m*) Government Scholarships in Medical Schools, Rs. 6,066. Excludes stipends paid to Burma and Madras-Burma pupils.
(*n*) Expenditure on Private Schools (fees, Rs. 1,31,020; other sources, Rs. 83,788; and total, Rs. 2,14,808).
(*o*) Grants to Orphanages not paid through the Department, Rs. 3,605; grants to Private Schools, Rs. 1,250; grants to Eleemosynary schools, Rs. 211.

| | Rs. | Rs. | |
|---|---|---|---|
| NOTE.—Total of columns 8, 9 and 23 (Rs. 11,43,532 + 1,25,248 + 5,13,024) ... ... ... ... | | 17,81,804 | |
| *Add*—Indirect charges— | | | |
| Direction ... ... ... ... ... ... ... ... ... ... ... ... | 56,477 | | |
| Inspection ... ... ... ... ... ... ... ... ... ... ... ... | 2,95,292 | | |
| Scholarships .. ... ... ... ... ... ... .. ... ... ... ... | 59,599 | | |
| Miscellaneous ... ... ... ... ... ... ... ... ... ... ... ... | 67,218 | 4,78,586 | |
| | | 22,60,390 | |
| *Deduct*—Cost of Medical College and School ... ... ... ... ... ... ... ... | 1,64,381 | | |
| Lawrence Asylum Charges ... ... ... ... ... ... ... ... | 1,25,086 | | |
| Grants to Orphanages not paid through the Department ... ... ... ... ... | 3,605 | | |
| Charges met from non-departmental receipts ... ... ... ... ... ... | 1,354 | | |
| Building charges met from Public Works Funds ... ... .. ... ... ... | 67,389 | | |
| | | 3,61,815 | |
| Balance ... | | 18,98,575 | as per Accountant-General's books. |

(72a)—*Return of expenditure on European schools in the Madras Presidency for the official year* 1898–99.

| Objects of expenditure. | Public institutions. | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Under public management. | | | | | | | | | | | | | | | | | | | |
| | Managed by Government. | | | | | | | Managed by Local Fund and Municipal Boards. | | | | | | | Maintained by Native State. | | | | | | |
| | Provincial revenues. | Local funds. | Municipal funds. | Fees. | Subscriptions. | Endowments and other sources. | Total. | Provincial revenues. | Local funds. | Municipal funds. | Fees. | Subscriptions. | Endowments and other sources. | Total. | Native State revenues. | Local funds. | Municipal funds. | Fees. | Subscriptions. | Fees, endowments and other sources. | Total |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | R |
| University education. — *Arts colleges*— English — For boys | ... | ... | ... | ... | ... | .. | .. | ... | ... | ... | .. | . | | | | | | | | | |
| English — For girls | ... | ... | ... | ... | ... | | .. | ... | ... | . | | | | | | | | | | | |
| Oriental | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | . | | | | | | | | |
| Total | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | | | | | | | | | |
| School education, general. — *Secondary schools*— For boys — High schools, English | 30,303 | ... | ... | ... | .. | 69,505 | 99,808 | 4,160 | ... | 651 | 2,844 | | 850 | 8,505 | | | | | | | |
| For boys — Middle schools, English | ... | ... | . | . | . | .. | ... | .. | ... | | | | | | | | | | | | |
| For girls — High schools, English | ... | ... | ... | ... | .. | ... | ... | .. | ... | | | .. | | | | | | | | | |
| For girls — Middle schools, English | 16,320 | ... | ... | .. | ... | 4,422 | 20,742 | ... | ... | .. | | | | | | | | | | | |
| Total | 46,623 | ... | ... | ... | | 73,927 | 1,20,550 | 4,160 | ... | 651 | 2,844 | | 850 | 8,505 | | | | | | | |
| *Primary schools*— For boys | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | | |
| For girls | ... | ... | ... | ... | .. | ... | ... | ... | .. | | | .. | | | | | | | | | |
| Total | ... | .. | ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | |
| School education, special. — *Schools for special instruction*— Industrial schools | ... | ... | .. | .. | ... | ... | ... | ... | ... | | | | | | | | | | | | |
| Other schools | 1,377 | ... | ... | ... | ... | 3,159 | 4,536 | ... | ... | .. | . | .. | | | | | | | | | |
| Total | 1,377 | ... | ... | ... | ... | 3,159 | 4,536 | ... | ... | .. | ... | | | | | | | | | | |
| *Buildings* | ... | ... | ... | ... | ... | .. | ... | ... | ... | . | . | | | | | | | | | | |
| *Furniture and apparatus* (special grants only) | ... | ... | ... | ... | ... | ... | ... | 50 | ... | ... | | . | | 50 | | | | | | | |
| Total | ... | ... | ... | ... | ... | ... | ... | 50 | ... | | | ... | | 50 | | | | | | | |
| *Scholarships* | ... | .. | ... | ... | . | ,304 | 2,304 | ... | ... | ... | .. | 140 | | 140 | | | | | | | |
| Total expenditure on European schools | 48,000 | ... | .. | ... | ... | 79,390 | 1,27,390 | 4,210 | ... | 651 | 2,844 | 140 | 850 | 8,695 | | | | | | | |

# A.—EDUCATION—*continued.*

(72a)—*Return of expenditure on European schools in the Madras Presidency for the official year* 1898-99—continued.

| Objects of expenditure. | Public institutions—*continued.* | | | | | | | | | | | Total expenditure from | | | | | Grand Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Under private management. | | | | | | | | | | | | | | | | |
| | Aided by Government or by Local Fund or Municipal Boards. | | | | | | | Unaided. | | | | | | | | | |
| | Provincial revenues. | Local funds. | Municipal funds. | Fees. | Subscriptions. | Endowments and other sources. | Total. | Fees. | Subscriptions. | Endowments and other sources. | Total. | Provincial revenues. | Local funds. | Municipal funds. | Fees. | All other sources. | |
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| University education. *Arts colleges*— | | | | | | | | | | | | | | | | | |
| English { For boys | 3,863 | .. | ... | 1,294 | 200 | 12,059 | 17,416 | .. | ... | .. | ... | 3,863 | ... | .. | 1,294 | 12,259 | 17,416 |
| English { For girls | ... | ... | ... | 10 | ... | 305 | 315 | ... | ... | .. | ... | ... | ... | | 10 | 305 | 315 |
| Oriental ... ... ... ... ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | . | . | |
| Total ... | 3,863 | ... | ... | 1,304 | 200 | 12,364 | 17,731 | ... | ... | ... | ... | 3,863 | ... | | 1,304 | 12,564 | 17,731 |
| School education, general. *Secondary schools*— | | | | | | | | | | | | | | | | | |
| For boys { High schools, English ... | 23,161 | ... | ... | 27,449 | 3,008 | 57,637 | 1,11,246 | ... | ... | ... | ... | 57,624 | ... | 651 | 30,284 | 1,31,000 | 2,19,559 |
| For boys { Middle schools, English... | 13,359 | .. | 241 | 7,378 | 6,626 | 18,827 | 46,431 | .. | ... | ... | ... | 13,359 | ... | 241 | 7,378 | 25,453 | 46,431 |
| For girls { High schools, English ... | 17,465 | . | ... | 44,000 | 1,040 | 62,572 | 1,25,077 | ... | .. | 240 | 240 | 17,465 | ... | .. | 44,000 | 62,852 | 1,25,317 |
| For girls { Middle schools, English... | 18,974 | ... | ... | 12,883 | 4,895 | 51,150 | 87,902 | 166 | 3,257 | ... | 3,423 | 35,294 | ... | . | 13,049 | 63,724 | 1,12,067 |
| Total ... | 72,959 | ... | 241 | 91,701 | 15,569 | 1,90,186 | 3,70,656 | 166 | 3,257 | 240 | 3,663 | 1,23,742 | ... | 892 | 94,711 | 2,84,029 | 5,03,374 |
| *Primary schools*— | | | | | | | | | | | | | | | | | |
| For boys ... ... ... ... ... | 1,164 | ... | 115 | 27 | 1,391 | 3,071 | 5,768 | ... | ... | ... | ... | 1,164 | ... | 115 | 27 | 4,462 | 5,768 |
| For girls ... ... ... ... ... | 1,772 | ... | ... | 1,239 | 431 | 4,906 | 8,348 | ... | ... | ... | ... | 1,772 | ... | .. | 1,239 | 5,337 | 8,348 |
| Total ... | 2,936 | ... | 115 | 1,266 | 1,822 | 7,977 | 14,116 | .. | ... | . | ... | 2,936 | ... | 115 | 1,266 | 9,799 | 14,116 |
| School education, special. *Schools for special instruction*— | | | | | | | | | | | | | | | | | |
| Industrial schools ... ... ... | 852 | ... | ... | ... | 1,487 | ... | 2,339 | | ... | . | ... | 852 | . | . | .. | 1,487 | 2,339 |
| Other schools ... ... ... ... | 4,460 | ... | ... | 6,143 | 143 | 2,527 | 13,278 | ... | ... | 810 | 810 | 5,837 | ... | .. | 6,143 | 6,644 | 18,624 |
| Total ... | 5,312 | ... | ... | 6,143 | 1,635 | 2,527 | 15,617 | ... | ... | 810 | 810 | 6,689 | ... | ... | 6,143 | 8,131 | 20,963 |
| *Buildings* ... ... ... ... ... ... | 5,000 | ... | ... | ... | ... | 84,690 | 89,690 | ... | ... | ... | ... | 5,000 | ... | ... | ... | 84,690 | 89,690 |
| *Furniture and apparatus* (special grants only). | 1,510 | ... | ... | ... | ... | ... | 1,510 | ... | ... | ... | ... | 1,560 | ... | ... | ... | ... | 1,560 |
| Total ... | 6,510 | ... | ... | ... | ... | 84,690 | 91,200 | ... | ... | ... | ... | 6,560 | ... | ... | ... | 84,690 | 91,250 |
| *Scholarships* ... ... ... ... ... ... | 1,049 | ... | ... | ... | ... | 1,875 | 2,924 | ... | ... | ... | ... | 1,049 | ... | ... | ... | 4,319 | 5,368 |
| Total expenditure on European schools ... | 92,629 | ... | 356 | 1,00,414 | 19,226 | 2,99,619 | 5,12,244 | 166 | 3,257 | 1,050 | 4,473 | 1,44,389 | ... | 1,007 | 1,03,424 | 4,03,532 | 6,52,802 |

(73)—*Return of the stages of instruction of pupils in public schools for general education in the Madras Presidency for the official year* 1898–99.

| Class of schools. | | | Number of schools. | Number of pupils on the rolls on the 31st March. | High stage. Comprising all pupils who have passed beyond the Lower Secondary (Middle) stage, but have not passed the Matriculation Examination. | | | Middle stage. Comprising all pupils who have passed beyond the Upper Primary stage, but have not passed beyond the Lower Secondary (Middle) stage. | | | Upper Primary stage. Comprising all pupils who have passed beyond the Lower Primary stage, but have not passed beyond the Upper Primary stage. | | | Lower Primary stage. Comprising all pupils who have not passed beyond the Lower Primary stage. | | | | | | Total. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | Reading printed books. | | | Not reading printed books. | | | | | |
| | | | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | | | |
| | | | | | Boys. | Girls. | Total. | Boys. | Girls. | Total. | Boys. | Girls. | Total. | Boys. | Girls. | Total. | Boys. | Girls. | Total | Boys | Girls. | Total. |
| Secondary schools— | | | | | | | | | | | | | | | | | | | | | | |
| For boys ... | Government | English | 12 | 2,095 | 380 | ... | 380 | 708 | ... | 708 | 268 | ... | 268 | 665 | ... | 665 | 74 | | 74 | 2,095 | | 2,095 |
| | | Vernacular | 4 | 365 | ... | ... | ... | 43 | ... | 43 | 42 | 2 | 44 | 192 | 24 | 216 | 57 | 5 | 62 | 304 | 61 | 365 |
| | Local Fund | English | 83 | 8,346 | 620 | ... | 620 | 4,571 | 19 | 4,590 | 1,361 | 8 | 1,369 | 1,618 | 103 | 1,721 | 56 | 10 | 66 | 8,206 | 140 | 8,346 |
| | | Vernacular | 26 | 2,627 | ... | ... | ... | 454 | 3 | 457 | 359 | 19 | 378 | 1,248 | 160 | 1,408 | 252 | 132 | 384 | 2,813 | 814 | 2,627 |
| | Municipal ... | English | 25 | 4,356 | 1,245 | ... | 1,245 | 2,536 | ... | 2,536 | 245 | 1 | 246 | 308 | 21 | 329 | | | | 4,354 | 22 | 4,376 |
| | | Vernacular | 2 | 224 | ... | ... | ... | 45 | ... | 45 | 26 | ... | 26 | 153 | | 153 | | | | 224 | | 224 |
| | Native States | English | 1 | 85 | ... | ... | ... | 23 | ... | 23 | 7 | ... | 7 | 42 | | 42 | 13 | | 13 | 85 | | 85 |
| | | Vernacular | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Aided ... | English | 244 | 42,958 | 9,836 | 12 | 9,848 | 19,550 | 136 | 19,686 | 3,743 | 82 | 3,825 | 8,687 | 573 | 9,260 | 289 | 50 | 339 | 42,105 | 853 | 42,958 |
| | | Vernacular | 49 | 3,985 | ... | ... | ... | 1,159 | 60 | 1,219 | 664 | 35 | 699 | 1,803 | 140 | 1,943 | 168 | 16 | 184 | 5,734 | 251 | 3,985 |
| | Unaided ... | English | 51 | 7,147 | 2,210 | ... | 2,210 | 3,746 | 4 | 3,750 | 341 | 7 | 348 | 793 | 6 | 799 | 58 | 2 | 60 | 7,128 | 19 | 7,147 |
| | | Vernacular | 33 | 1,275 | ... | ... | ... | 810 | 4 | 814 | 107 | 7 | 114 | 302 | 27 | 329 | 18 | | 18 | 1,237 | 38 | 1,275 |
| | | Total ... | 530 | 73,463 | 14,291 | 12 | 14,303 | 33,645 | 226 | 33,871 | 7,163 | 161 | 7,324 | 15,811 | 1,054 | 16,865 | 885 | 215 | 1,100 | 71,715 | 1,668 | 73,463 |
| For girls ... | Government | English | 2 | 227 | ... | 13 | 13 | ... | 47 | 47 | ... | 28 | 28 | 9 | 86 | 95 | 14 | 30 | 44 | 23 | 204 | 227 |
| | | Vernacular | 59 | 5,499 | ... | ... | ... | ... | 366 | 36 | ... | 382 | 382 | ... | 4,098 | 4,098 | 1 | 652 | 653 | 1 | 5,498 | 5,499 |
| | Local Fund | English | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| | | Vernacular | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| | Municipal ... | English | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| | | Vernacular | 1 | 212 | ... | ... | ... | ... | 13 | 13 | ... | 16 | 16 | ... | 183 | 183 | | | | | 212 | 212 |
| | Native States | English | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| | | Vernacular | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | |
| | Aided ... | English | 60 | 5,843 | 13 | 361 | 374 | 118 | 1,556 | 1,674 | 77 | 692 | 769 | 693 | 2,224 | 2,917 | 40 | 89 | 129 | 941 | 4,902 | 5,843 |
| | | Vernacular | 93 | 8,938 | ... | 11 | 11 | 12 | 1,214 | 1,226 | 34 | 930 | 964 | 150 | 5,960 | 6,110 | 28 | 599 | 627 | 224 | 8,714 | 8,938 |
| | Unaided ... | English | 4 | 107 | ... | 10 | 10 | 3 | 14 | 17 | 3 | 7 | 10 | 29 | 41 | 70 | | | | 35 | 72 | 107 |
| | | Vernacular | 5 | 269 | ... | ... | ... | ... | 67 | 67 | ... | 25 | 25 | 1 | 126 | 127 | | 50 | 50 | 1 | 268 | 269 |
| | | Total ... | 224 | 21,095 | 13 | 395 | 408 | 133 | 3,277 | 3,410 | 114 | 2,080 | 2,194 | 882 | 12,718 | 13,600 | 83 | 1,400 | 1,483 | 1,225 | 19,870 | 21,095 |
| | Total, Secondary schools ... | | 754 | 94,558 | 14,304 | 407 | 14,711 | 33,778 | 3,503 | 37,281 | 7,277 | 2,241 | 9,518 | 16,693 | 13,772 | 30,465 | 968 | 1,615 | 2,583 | 73,020 | 21,538 | 94,558 |
| Primary schools— | | | | | | | | | | | | | | | | | | | | | | |
| For boys ... | Government ... ... ... ... | | 191 | 6,901 | ... | ... | ... | ... | ... | ... | 1,163 | 11 | 1,174 | 4,391 | 173 | 4,564 | 1,029 | 143 | 1,163 | 6,574 | 327 | 6,901 |
| | Local Fund ... ... ... ... | | 2,535 | 118,151 | ... | ... | ... | ... | ... | ... | 10,919 | 579 | 11,498 | 76,149 | 12,468 | 88,617 | 9,190 | 3,846 | 13,036 | 96,258 | 16,893 | 113,151 |
| | Municipal ... ... ... ... | | 280 | 16,298 | ... | ... | ... | ... | ... | ... | 1,937 | 31 | 1,968 | 12,186 | 794 | 12,980 | 1,152 | 198 | 1,350 | 15,275 | 1,023 | 16,298 |
| | Native States ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Aided ... ... ... ... ... | | 10,932 | 326,472 | ... | ... | ... | ... | ... | ... | 20,011 | 679 | 20,690 | 251,203 | 24,107 | 275,310 | 27,180 | 7,292 | 34,472 | 296,394 | 30,078 | 326,472 |
| | Unaided ... ... ... ... ... | | 6,051 | 124,429 | ... | ... | ... | ... | ... | ... | 1,848 | 28 | 1,876 | 97,097 | 5,915 | 102,922 | 17,424 | 2,207 | 19,631 | 116,579 | 8,150 | 124,429 |
| | | Total ... | 19,989 | 587,251 | ... | ... | ... | ... | ... | ... | 35,878 | 1,328 | 37,206 | 441,036 | 43,457 | 484,493 | 53,806 | 11,686 | 65,492 | 530,780 | 56,471 | 587,251 |
| For girls... | Government ... ... ... ... | | 95 | 5,391 | ... | ... | ... | ... | ... | ... | ... | 250 | 250 | 110 | 2,929 | 4,029 | | 1,112 | 1,112 | 110 | 5,281 | 5,391 |
| | Local Fund ... ... ... ... | | 13 | 657 | ... | ... | ... | ... | ... | ... | ... | 29 | 29 | | 583 | 583 | | 45 | 45 | | 657 | 657 |
| | Municipal ... ... ... ... | | 11 | 732 | ... | ... | ... | ... | ... | ... | ... | 42 | 42 | | 658 | 658 | | 42 | 42 | | 732 | 732 |
| | Native States ... ... ... ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Aided ... ... ... ... ... | | 582 | 25,433 | ... | ... | ... | ... | ... | ... | 82 | 1,544 | 1,626 | 999 | 19,589 | 20,588 | 85 | 3,184 | 3,269 | 1,166 | 24,267 | 25,433 |
| | Unaided ... ... ... ... ... | | 149 | 3,953 | ... | ... | ... | ... | ... | ... | 6 | 75 | 81 | 193 | 2,626 | 2,813 | 55 | 1,004 | 1,059 | 254 | 3,699 | 3,953 |
| | | Total ... | 850 | 36,166 | ... | ... | ... | ... | ... | ... | 88 | 1,940 | 2,028 | 1,302 | 27,309 | 28,601 | 140 | 5,387 | 5,527 | 1,530 | 34,636 | 36,166 |
| | Total, Primary schools ... | | 20,839 | 623,417 | ... | ... | ... | ... | ... | ... | 35,966 | 3,268 | 39,234 | 442,328 | 70,766 | 513,094 | 54,006 | 17,083 | 71,089 | 532,300 | 91,117 | 623,417 |
| | Grand total ... | | 21,593 | 717,975 | 14,304 | 407 | 14,711 | 33,778 | 3,503 | 37,281 | 43,243 | 5,509 | 48,752 | 459,021 | 84,558 | 543,559 | 54,974 | 18,698 | 73,672 | 605,320 | 112,655 | 717,975 |

(73a)—*Return of the stages of instruction of pupils in public European schools for general education in the Madras Presidency for the official year* 1898-99.

| Class of schools. | Number of schools. | Number of pupils on the rolls on the 31st March. | High stage. Comprising all pupils who have passed beyond the Lower Secondary (Middle) stage, but have not passed the Matriculation Examination. | | | Middle stage. Comprising all pupils who have passed beyond the Upper Primary stage, but have not passed beyond the Lower Secondary (Middle) stage. | | | Upper Primary stage. Comprising all pupils who have passed beyond the Lower Primary stage, but have not passed beyond the Upper Primary stage. | | | Lower Primary stage. Comprising all pupils who have not passed beyond the Lower Primary stage. Reading printed books. | | | Lower Primary stage. Comprising all pupils who have not passed beyond the Lower Primary stage. Not reading printed books. | | | Total. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | | | |
| | | | Boys. | Girls. | Total. | Boys. | Girls. | Total. | Boys. | Girls. | Total. | Boys. | Girls. | Total. | Boys. | Girls. | Total. | Boys. | Girls. | Total. |
| **Secondary schools—** | | | | | | | | | | | | | | | | | | | | |
| For boys ... Government | 1 | 286 | 15 | ... | 15 | 93 | ... | 93 | 38 | ... | 38 | 140 | ... | 140 | ... | ... | ... | 286 | ... | 286 |
| For boys ... Municipal | 1 | 79 | 9 | ... | 9 | 28 | ... | 28 | 12 | ... | 12 | 30 | ... | 30 | ... | ... | ... | 79 | ... | 79 |
| For boys ... Aided | 30 | 3,371 | 349 | 9 | 358 | 922 | 73 | 995 | 408 | 53 | 461 | 1,223 | 265 | 1,488 | 41 | 28 | 69 | 2,943 | 428 | 3,371 |
| Total | 32 | 3,736 | 373 | 9 | 382 | 1,043 | 73 | 1,116 | 458 | 53 | 511 | 1,393 | 265 | 1,658 | 41 | 28 | 69 | 3,308 | 428 | 3,736 |
| For girls ... Government | 1 | 62 | ... | ... | ... | ... | 24 | 24 | ... | 11 | 11 | ... | 25 | 25 | ... | 2 | 2 | ... | 62 | 62 |
| For girls ... Aided | 37 | 3,051 | 13 | 192 | 205 | 66 | 706 | 772 | 48 | 304 | 352 | 488 | 1,146 | 1,634 | 37 | 51 | 88 | 652 | 2,399 | 3,051 |
| For girls ... Unaided | 2 | 57 | ... | 1 | 1 | 3 | 9 | 12 | 2 | 7 | 9 | 14 | 21 | 35 | ... | ... | ... | 19 | 38 | 57 |
| Total | 40 | 3,170 | 13 | 193 | 206 | 69 | 739 | 808 | 50 | 322 | 372 | 502 | 1,192 | 1,694 | 37 | 53 | 90 | 671 | 2,499 | 3,170 |
| Total, Secondary schools | 72 | 6,906 | 386 | 202 | 588 | 1,112 | 812 | 1,924 | 508 | 375 | 883 | 1,895 | 1,457 | 3,352 | 78 | 81 | 159 | 3,979 | 2,927 | 6,906 |
| **Primary schools—** | | | | | | | | | | | | | | | | | | | | |
| For boys ... Aided | 6 | 382 | ... | ... | ... | ... | ... | ... | 37 | 20 | 57 | 171 | 104 | 275 | 26 | 24 | 50 | 234 | 148 | 382 |
| Total | 6 | 382 | ... | ... | ... | ... | ... | ... | 37 | 20 | 57 | 171 | 104 | 275 | 26 | 24 | 50 | 234 | 148 | 382 |
| For girls ... Aided | 7 | 339 | ... | ... | ... | ... | ... | ... | 4 | 27 | 31 | 93 | 197 | 290 | 6 | 12 | 18 | 103 | 236 | 339 |
| For girls ... Unaided | 1 | 23 | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 6 | 15 | 21 | ... | ... | ... | 6 | 17 | 23 |
| Total | 8 | 362 | ... | ... | ... | ... | ... | ... | 4 | 29 | 33 | 99 | 212 | 311 | 6 | 12 | 18 | 109 | 253 | 362 |
| Total, Primary schools | 14 | 744 | ... | ... | ... | ... | ... | ... | 41 | 49 | 90 | 270 | 316 | 586 | 32 | 36 | 68 | 343 | 401 | 744 |
| Grand total | 86 | 7,650 | 386 | 202 | 588 | 1,112 | 812 | 1,924 | 549 | 424 | 973 | 2,165 | 1,773 | 3,938 | 110 | 117 | 227 | 4,322 | 3,328 | 7,650 |

## A.—EDUCATION—*continued.*

( 74)—Return showing the results of prescribed examinations in the Madras Presidency during the official year 1898-99.

# A.—EDUCATION

## (74)—*Return showing the results of prescribed examinations*

| Nature of examination. | Number of institutions sending examinees. | | | | Number of examinees. | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Institutions under public management. | Aided institutions. | Other institutions. | Total. | Institutions under public management. | Aided institutions. | Other institutions. | Private students. | Total. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| **ARTS COLLEGES.** | | | | | | | | | |
| 1. Master of Arts | ... | ... | ... | ... | ... | ... | ... | 26 | 26 |
| 2. Bachelor of Arts (Science Division) | 3 | 7 | 5 | 15 | 125 | 337 | 120 | 152 | 734 |
| 3. Bachelor of Science | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4. First B.A. (English Language Division) | 3 | 7 | 5 | 15 | 116 | 295 | 97 | 192 | 700 |
| Do. B.A. (Second Language Division) | 3 | 7 | 5 | 15 | 116 | 243 | 97 | 60 | 516 |
| Do. B.Sc. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do. Arts | 7 | 27 | 13 | 47 | 244 | 904 | 310 | 510 | 1,965 |
| Previous examination | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **ORIENTAL COLLEGES.** | | | | | | | | | |
| 1. Master of Oriental Learning | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2. Bachelor of Oriental Learning | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 3. Honours in Sanskrit | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do. in Arabic | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do. in Persian | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4. High Proficiency in Sanskrit | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do. in Arabic | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do. in Persian | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 5. Proficiency in Sanskrit | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do. in Arabic | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do. in Persian | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Do. in Urdu | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **COLLEGES FOR PROFESSIONAL TRAINING.** | | | | | | | | | |
| *Law.* | | | | | | | | | |
| 1. Doctor of Law | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2. Master of Law | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3. Bachelor of Law | 1 | ... | 1 | 2 | 303 | ... | 13 | 1 | 317 |
| 4. First Examination in Law | 1 | ... | 1 | 2 | 477 | ... | 32 | 9 | 518 |
| *Medicine.* | | | | | | | | | |
| 1. Doctor of Medicine | ... | ... | ... | 1 | ... | ... | ... | ... | ... |
| 2. Bachelor of Medicine | 1 | ... | ... | 1 | 3 | ... | ... | ... | 3 |
| 3. Honours in Medicine and Surgery | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4. L.M.S. | 1 | ... | ... | 1 | 22 | ... | ... | ... | 22 |
| 5. First M.B. (*a*) | 1 | ... | ... | 1 | 15 | ... | ... | ... | 15 |
| Do. L.M.S. | 1 | ... | ... | 1 | 5 | ... | ... | ... | 5 |
| 6. Preliminary Scientific (*b*) | 1 | ... | ... | 1 | 12 | ... | ... | ... | 12 |
| 7. L.S.Sc. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| *Engineering.* | | | | | | | | | |
| 1. M.C.E. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2. B.C.E. | 1 | ... | ... | 1 | 5 | ... | ... | ... | 5 |
| 3. L.C.E. (First Examination in Engineering) | 1 | ... | ... | 1 | 11 | ... | ... | ... | 11 |
| 4. First L.C.E. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| *Teaching.* | | | | | | | | | |
| 1. Licentiate in Teaching Written | 2 | ... | ... | 2 | 66 | ... | ... | 19 | 85 |
| Practical | 2 | ... | ... | 2 | 63 | ... | ... | 9 | 72 |
| **SCHOOLS FOR GENERAL EDUCATION.** | | | | | | | | | |
| Upper Secondary Examination Boys | 5 | 20 | 8 | 33 | 10 | 68 | 17 | 92 | 187 |
| Girls | ... | 2 | ... | 2 | ... | 2 | ... | 1 | 3 |
| Matriculation Examination Boys | 25 | 81 | 65 | 171 | 491 | 2,397 | 1,433 | 1,480 | (*c*) 5,801 |
| Girls | 1 | 16 | 7 | 24 | 6 | 70 | 48 | 16 | (*c*) 140 |
| Lower Secondary Examination. Boys | 128 | 317 | 100 | 545 | 1,697 | 3,386 | 1,158 | 2,807 | (*d*) 9,548 |
| Girls | | | | | | | | | |
| Upper Primary Examination ... Boys | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Girls | | | | | | | | | |
| Lower Primary Examination ... Boys | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Girls | | | | | | | | | |
| Public Service Certificate Examination. (*e*) English | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Vernacular | | | | | | | | 3,944 | 34,049 |
| **SCHOOLS FOR SPECIAL INSTRUCTION.** | | | | | | | | | |
| 1. Training School Examination for Masters. Upper | 5 | 2 | 2 | 9 | 132 | 38 | 4 | 1 | 175 |
| Lower | 34 | 8 | 3 | 45 | 1,344 | 245 | 31 | 15 | 1,635 |
| 2. Training School Examination for Mistresses. Upper | 1 | 5 | 1 | 7 | 30 | 16 | 4 | ... | 50 |
| Lower | 5 | 15 | 1 | 21 | 143 | 267 | 1 | ... | 413 |
| 3. School of Arts Examination | 19 | 18 | 6 | 43 | 698 | 193 | 91 | 387 | 1,369 |
| 4. Medical Examination | 2 | ... | ... | 2 | 138 | ... | ... | ... | 138 |
| 5. Examination in Engineering and Surveying. | 1 | ... | ... | 1 | 82 | ... | ... | 48 | 130 |
| 6. Industrial School Examination | 5 | 7 | 3 | 15 | 154 | 86 | 13 | 33 | 286 |
| 7. Veterinary Examination | 1 | ... | 1 | 2 | 26 | ... | 6 | 3 | 35 |

(*a*) Conducted under the old regulations.
(*b*) First M.B. and C.M. under the new regulations.
(*c*) Excludes 21 candidates disallowed.
(*d*) Excludes pupil candidates who, having already passed in certain subjects only, came up during the year for the remaining
(*e*) Primary Examination.

*—continued.*

*in the Madras Presidency during the official year* 1898–99.

| Number passed. | | | | | Race or creed of passed scholars. | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Institutions under public management. | Aided institutions. | Other institutions. | Private students. | Total. | Europeans and Eurasians. | Native Christians. | Hindus. | Muhammadans. | Others. |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| ... | ... | ... | 2 | 9 | ... | 1 | 7 | 1 | ... |
| 83 | 204 | 69 | 41 | 397 | 3 | 30 | 358 | 6 | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 79 | 183 | 61 | 45 | 368 | 5 | 34 | 326 | 3 | ... |
| 98 | 203 | 87 | 40 | 428 | 4 | 31 | 387 | 6 | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 114 | 378 | 146 | 101 | 739 | 16 | 59 | 649 | 14 | 1 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | 1 | ... | ... | 1 | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 93 | ... | 1 | ... | 94 | ... | 2 | 90 | 2 | ... |
| 191 | ... | 9 | 3 | 203 | ... | 5 | 197 | 1 | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2 | ... | ... | ... | 2 | ... | 1 | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 7 | ... | ... | ... | 7 | 2 | 1 | 4 | ... | ... |
| 8 | ... | ... | ... | 8 | ... | 4 | 4 | ... | ... |
| 2 | ... | ... | ... | 2 | ... | ... | 2 | ... | ... |
| 7 | ... | ... | ... | 7 | ... | 1 | 6 | ... | ... |
| .. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 3 | ... | ... | ... | 3 | ... | ... | 3 | ... | ... |
| 5 | ... | ... | ... | 5 | ... | ... | 5 | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 36 | ... | ... | 11 | 47 | 2 | 8 | 37 | ... | ... |
| 19 | ... | ... | 4 | 23 | 2 | 2 | 19 | ... | ... |
| ... | 2 | 1 | 3 | 6 | ... | ... | 6 | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 208 | 908 | 553 | 188 | 1,852 | 68 | 181 | 1,627 | 29 | 6 |
| 3 | 32 | 17 | 7 | 59 | | | | | |
| 492 | 1,329 | 343 | 541 | 2,705 | 188 | 513 | 1,945 | 58 | 1 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ... | ... | ... | 1,438 | 15,991 | 261 | 1,778 | 13,058 | 894 | ... |
| 52 | 24 | 3 | ... | 79 | ... | 16 | 63 | ... | ... |
| 698 | 146 | 21 | 9 | 874 | ... | 258 | 560 | 56 | ... |
| 19 | 12 | 2 | ... | 33 | 21 | 12 | ... | ... | ... |
| 57 | 142 | ... | ... | 199 | 4 | 171 | 12 | 12 | ... |
| 275 | 75 | 30 | 87 | 467 | 32 | 88 | 318 | 29 | ... |
| 103 | ... | ... | ... | 103 | 33 | 17 | 44 | 6 | 3 |
| 63 | ... | ... | 16 | 79 | 3 | 2 | 74 | ... | ... |
| 99 | 51 | 6 | 15 | 171 | 28 | 44 | 89 | 10 | ... |
| 18 | ... | 6 | ... | 24 | ... | ... | 24 | ... | ... |

subject or subjects to complete the test.

(75)—*Return showing the distribution of Local Fund and Municipal expenditure on Public Instruction in the Madras Presidency for the official year* 1898–99.

| Objects of expenditure. | Expenditure of Local Fund Boards on public instruction. | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | In institutions managed by Local Fund Boards. | | | | | | | | | | | In institutions managed by | | | |
| | Number of institutions. | Number of scholars on the rolls on the 31st of March. | Average number on the rolls monthly during the year. | Average daily attendance. | Provincial grants. | Local funds. | Municipal grants. | Fees. | Subscriptions. | Endowments and other sources. | Total. | Government. | Municipal Boards. | Private persons or associations. | Total Local Fund expenditure on public instruction. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| University education. Arts colleges— | | | | | | | | | | | | | | | |
| English | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Oriental | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Colleges or departments of colleges for professional training— | | | | | | | | | | | | | | | |
| Law | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Medicine | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Engineering | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Teaching | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Agriculture | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| School education, general. Secondary schools— | | | | | | | | | | | | | | | |
| For boys — High schools | 9 | 1,804 | 1,650 | 1,444 | 8,770 | ... | ... | (a)35,662 | ... | 75 | 44,507 | ... | ... | 507 | 507 |
| For boys — Middle schools — English | 74 | 6,542 | 6,444 | 5,605 | 21,779 | 12,340 | ... | 75,660 | 170 | 496 | 1,10,445 | ... | ... | 2,383 | 14,723 |
| For boys — Middle schools — Vernacular | 26 | 2,627 | 2,634 | 2,279 | 2,867 | 12,000 | ... | 6,746 | ... | 376 | 22,089 | ... | ... | 1,601 | 13,601 |
| For girls — High schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| For girls — Middle schools — English | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 102 | 102 |
| For girls — Middle schools — Vernacular | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 75 | 75 |
| Total | 109 | 10,973 | 10,728 | 9,328 | 33,516 | 24,340 | ... | 1,18,068 | 170 | 947 | 1,77,041 | ... | ... | 4,668 | 29,008 |
| Primary schools— | | | | | | | | | | | | | | | |
| For boys | 2,535 | 113,151 | 111,926 | 94,218 | 47,260 | 3,58,163 | ... | 98,280 | ... | 1,399 | 5,05,102 | ... | ... | 2,23,777 | 5,81,940 |
| For girls | 13 | 657 | 652 | 491 | 1,164 | 3,440 | ... | 88 | ... | ... | 4,692 | ... | ... | 1,052 | 4,492 |
| Total | 2,548 | 113,808 | 112,578 | 94,709 | 48,424 | 3,61,603 | ... | 98,368 | ... | 1,399 | 5,09,794 | ... | ... | 2,24,829 | 5,86,432 |
| School education, special. Schools for special instruction— | | | | | | | | | | | | | | | |
| Training schools for masters | 18 | 256 | 259 | 241 | 3,574 | 21,700 | 410 | 6 | ... | 12 | 25,702 | 139 | ... | 480 | 22,319 |
| Do. for mistresses | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Schools of Art | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Law schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Medical schools | 1 | 50 | 49 | 48 | ... | ... | 1,020 | 1,165 | ... | 3,659 | 5,844 | 32,243 | ... | ... | 32,243 |
| Engineering and surveying schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Industrial schools | 1 | 47 | 48 | 42 | 805 | 3,442 | ... | ... | ... | 1,222 | 5,469 | ... | ... | ... | 3,442 |
| Other schools | 2 | 300 | 306 | 277 | 1,983 | 4,314 | 1,400 | 167 | ... | 4,069 | 11,933 | ... | ... | ... | 4,314 |
| Total | 22 | 653 | 662 | 608 | 6,362 | 29,456 | 2,830 | 1,338 | ... | 8,962 | 48,948 | 32,382 | ... | 480 | 62,318 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Buildings ... | ... | ... | ... | ... | 1,511 | 23,603 | ... | ... | ... | ... | 25,114 | ... | ... | 542 | 24,145 |
| Furniture and apparatus (special grants only) ... | ... | ... | ... | ... | 1,416 | ... | ... | ... | ... | ... | 1,416 | ... | ... | 1,687 | 1,687 |
| Total ... | ... | ... | ... | ... | 2,927 | 23,603 | ... | ... | ... | ... | 26,530 | ... | ... | 2,229 | 25,832 |
| Inspection ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,02,511 |
| Scholarships held in: Arts colleges ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Scholarships held in: Professional colleges ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Scholarships held in: Secondary schools ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Scholarships held in: Primary schools ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Scholarships held in: Special schools other than training schools ... | ... | ... | ... | ... | 642 | 7,176 | 1,020 | ... | ... | ... | 8,838 | 767 | ... | 36 | 7,979 |
| Miscellaneous ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | ... | ... | ... | ... | 642 | 7,176 | 1,020 | ... | ... | ... | 8,838 | 767 | ... | 36 | 1,10,490 |
| Grand Total ... | 2,679 | 125,434 | 123,968 | 104,645 | 91,871 | 4,46,178 | 3,850 | (a) 2,17,774 | 170 | 11,308 | 7,71,151 | 33,149 | ... | 2,32,242 | 8,14,080 |

(a) Surplus fees to local boards Rs. 3,224.

| | Rs. | Rs. |
|---|---|---|
| NOTE A.—Net cost to Local Funds as per column 16 ... | 8,14,080 | |
| Miscellaneous charges ... | 6,462 | |
| *Add*—Cost met from Provincial grant ... | 91,871 | |
| Do. do. on account of Inspecting Schoolmasters and Indigenous Schools ... | 828 | |
| Do. Municipal grants ... | 3,850 | |
| Do. Fees ... | 2,17,774 | |
| Do. Subscriptions and other sources ... | 11,478 | |
| | | 11,46,343 |
| *Deduct*—Cost of Medical schools met from fees and other sources ... | 7,456 | |
| Contribution to Medical schools ... | 32,243 | |
| Cost of Buildings met from Provincial grant ... | 1,511 | |
| Do. under Grant 1... | 23,603 | |
| Miscellaneous receipts ... | 6,197 | |
| | | 71,010 |
| *Gross* expenditure as per Accountant-General's statement ... | | 10,75,333 |

# A.—EDUCATION—*continued.*

(75)—*Return showing the distribution of Local Fund and Municipal expenditure on Public Instruction in the Madras Presidency for the official year* 1898-99—continued.

| Objects of expenditure. | Expenditure of Municipal Boards on public instruction. In institutions managed by Municipal Boards. Number of institutions. | Number of scholars on the rolls on the 31st of March. | Average number on the rolls monthly during the year. | Average daily attendance. | Provincial grants. | Municipal rates. | Local funds. | Fees. | Subscriptions. | Endowments and other sources. | Total. | In institutions managed by Government. | Local Fund Boards. | Private persons or associations. | Total Municipal expenditure on public instruction. | Total expenditure of Local Fund and Municipal Boards on public instruction. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| | | | | | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| **University education.** | | | | | | | | | | | | | | | | |
| Arts colleges— | | | | | | | | | | | | | | | | |
| English | 3 | 138 | 136 | 120 | 4,785 | 468 | . | 9,571 | | 63 | 14,887 | | | | 468 | 468 |
| Oriental | .. | ... | ... | . | ... | . | | | . | | | | | | | |
| Colleges or departments of colleges for professional training— | | | | | | | | | | | | | | | | |
| Law | ... | ... | ... | .. | ... | | . | | .. | .. | | | | . | | . |
| Medicine | ... | ... | ... | ... | ... | . | . | .. | . | . | . | | | | | |
| Engineering | ... | ... | ... | .. | .. | . | | . | | . | | | | | | |
| Teaching | . | .. | | ... | ... | | | . | .. | | . | | . | | | |
| Agriculture | .. | ... | ... | ... | ... | | . | | ... | ... | . | | | .. | | |
| Total ... | 3 | 138 | 136 | 120 | 4,785 | 468 | .. | 9,571 | ... | 63 | 14,887 | | . | . | 468 | 468 |
| **School education, general.** | | | | | | | | | | | | | | | | |
| Secondary schools— | | | | | | | | | | | | | | | | |
| For boys ... High schools | 16 | 3,356 | 3,284 | 2,873 | 20,008 | ... | .. | (a, 74,66[illegible] | ... | 1,372 | 96,043 | | .. | 21,176 | 21,176 | 21,683 |
| For boys ... Middle schools, English | 9 | 1,000 | 961 | 841 | 125 | 145 | . | 15,515 | .. | 1 | 15,[illegible]86 | | | 13,750 | [illegible] | 28,618 |
| For boys ... Middle schools, Vernacular | 2 | 224 | 217 | 174 | ... | 1,659 | .. | 475 | .. | . | 2,114 | | | 4,[illegible]92 | 6,2[illegible]1 | 19,832 |
| For girls ... High schools | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | . | .. | | | .. |
| For girls ... Middle schools, English | ... | ... | ... | ... | ... | ... | ... | | ... | ... | ... | | . | ... | .. | 102 |
| For girls ... Middle schools, Vernacular | 1 | 212 | 203 | 199 | 565 | 408 | ... | 35 | ... | ... | 1,008 | ... | . | . | 408 | 483 |
| Total ... | 28 | 4,792 | 4,665 | 4,087 | 20,698 | 2,192 | .. | 90,488 | .. | 1,373 | 1,14,751 | | | 39,518 | 41,710 | 70,718 |
| Primary schools— | | | | | | | | | | | | | | | | |
| For boys | 280 | 16,298 | 15,879 | 12,968 | 5,472 | 74,138 | .. | 17,289 | ... | 52 | 96,951 | .. | | 68,865 | 1,43,003 | 7,24,943 |
| For girls | 11 | 732 | 671 | 481 | 1,142 | 3,772 | ... | 191 | ... | ... | 5,105 | . | ... | 153 | 3,925 | 8,417 |
| Total ... | 291 | 17,030 | 16,550 | 13,449 | 6,614 | 77,910 | ... | 17,480 | ... | 52 | 1,02,056 | . | .. | 69,018 | 1,46,928 | 7,33,360 |
| **School education, special.** | | | | | | | | | | | | | | | | |
| Schools for special instruction— | | | | | | | | | | | | | | | | |
| Training schools for masters | ... | ... | ... | ... | 906 | 102 | .. | .. | ... | .. | 1,008 | 721 | 410 | | 1,233 | 23,552 |
| Do. for mistresses | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | .. | ... | .. |
| Schools of Art | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... |
| Law schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | | .. | . |
| Medical schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20,000 | 1,020 | . | 21,020 | 53,263 |
| Engineering and surveying schools | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | . | .. | .. |
| Industrial schools | ... | ... | ... | .. | ... | ... | ... | ... | ... | .. | ... | . | . | | ... | 3,442 |
| Other schools | 4 | 76 | 75 | 18 | 138 | 799 | ... | 27 | ... | 131 | 1,095 | 300 | 1,400 | . | 2,4[illegible]9 | 6,813 |
| Total ... | 4 | 76 | 75 | 18 | 1,044 | 901 | ... | 27 | ... | 131 | 2,103 | 21,021 | 2,830 | ... | 24,752 | 87,070 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Buildings ... ... ... ... ... ... ... ... ... | ... | ... | ... | ... | ... | 3,750 | ... | ... | .. | ... | 3,750 | ... | .. | 1,817 | 5,567 | 29,712 |
| Furniture and apparatus (special grants only) ... ... ... | ... | ... | ... | ... | 878 | ... | ... | ... | .. | . | 878 | ... | .. | 1,790 | 1,790 | 3,477 |
| Total ... | ... | ... | ... | ... | 878 | 3,750 | ... | ... | ... | ... | 4,628 | ... | . | 3,607 | 7,357 | 33,189 |
| Inspection ... ... ... ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | . | . | ... | ... | . | | 15,026 | 1,17,537 |
| Scholarships held in: Arts colleges ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | | .. | . . | | | | |
| Scholarships held in: Professional colleges . . ... ... ... | ... | ... | ... | ... | .. | ... | ... | . | | .. | ... | ... | . | | | |
| Scholarships held in: Secondary schools ... ... ... ... ... | ... | ... | ... | ... | ... | ... | . | .. | . | . | ... | .. | | | | |
| Scholarships held in: Primary schools ... ... ... ... ... | ... | .. | ... | .. | ... | ... | .. | . . | . | | | | | | | |
| Scholarships held in: Special schools other than training schools ... ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | . | .. | | 1,020 | 97 | 1,117 | 9,086 |
| Miscellaneous ... ... ... ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | . | .. | | | | | |
| Total ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | . . | . | 1,020 | 97 | 16,143 | 1,26,623 |
| Grand Total ... | 326 | 22,036 | 21,426 | 17,674 | 34,019 | 85,221 | ... | (a)1,17,566 | ... | 1,619 | 2,38,425 | 21,021 | 3,850 | 1,12,240 | 2,37,358 | 10,51,458 |

(a) Surplus fees to municipal boards Rs. 3,530.

| | Rs. | Rs. |
|---|---|---|
| NOTE B.—Net cost of Municipal Funds as per column 31 ... ... ... ... ... ... ... ... ... ... ... | 2,37,358 | |
| Miscellaneous charges ... ... ... ... ... ... ... ... ... ... ... ... | 2,842 | |
| *Add*—Cost met from Provincial grant ... ... ... ... ... ... ... ... ... ... ... ... ... | 34,019 | |
| Do. Fees ... ... ... ... ... ... ... ... ... ... ... ... ... | 1,17,566 | |
| Do. Subscriptions and other sources ... ... .. ... ... ... ... ... .. .. | 1,619 | |
| | | 3,93,404 |
| *Deduct*—Cost of Buildings included under Grant I ... ... ... .. .. ... ... ... ... .. | 3,750 | |
| Contributions to Medical schools ... ... ... ... ... .. . . .. .. . | 22,040 | |
| Miscellaneous receipts ... ... ... ... ... ... . ... ... ... . .. | 2,538 | |
| | | 28,328 |
| *Gross* expenditure as per Municipal statements ... .. .. .. ... ... ... ... ... . . .. . | | 3,65,076 |

## B.—SCIENTIFIC AND LITERARY.

(76)—*Return of Scientific and Literary Societies for the year* 1898–99.

| Names. | Object. | Income | | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| *Ganjám.* | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | |
| The Town Hall Committee, Chicacole. | For the improvement of the Committee and the public at large in political, social, physical, intellectual, religious and general matters. | .. | . | 30 0 0 | 30 0 0 | 40 | ... | . | 40 | No | 25th Feb. 1894. |
| Students' Association, Chicacole. | Moral and intellectual development. | .. | .. | 30 15 6 | 30 15 6 | 39 | ... | ... | 39 | No | 26th Aug. 1891. |
| Reading Room, Parlákimedi. | Intellectual and literary improvement of members. | ... | .. | 198 3 0 | 198 3 0 | 24 | .. | | 24 | No | .. 1882. |
| Utka Hiteshini Samáj, Parlakimedi. | Improvement of social and political condition of Uriyas. | . | .. | ... | ... | 20 | ... | .. | 20 | No | ... 1884. |
| Madras Uriya Educational Committee, Parlákimedi. | Furtherance of education among Uriyas. | .. | ... | ... | .. | 12 | ... | ... | 12 | No | ... 1891. |
| Raja's College, Parlakimedi, (Boys' Library). | Improvement of education of the pupils of the College. | ... | ... | 265 0 9 | 265 0 9 | | ... | 480 | 480 | No | ... 20th July 1886. |
| Raja's College Parlákimidi, (Students' Society). | Intellectual and moral improvement of members. | .. | ... | 14 13 6 | 14 13 6 | 4 | ... | 8 | 12 | No | ... 8th Mar. 1890. |
| Utkal Vidyá Vardhani Samáj, Parlákimedi. | Improvement of education of Uriyas. | ... | 4 0 0 | 20 14 0 | 24 14 0 | 8 | . | 10 | 18 | No | ... 5th June 1893. |
| Reading Room, Chatrapur .. | Paper circulation ... | ... | ... | 109 8 0 | 109 8 0 | 14 | ... | . | 14 | No | . ..... |
| Vaisya Sangham, Berhampur. | Mental and moral improvement, religious learning and social advancement. | ... | 39 12 0 | 13 15 0 | 53 11 0 | 11 | ... | ... | 11 | No | .. 8th Mar. 1896. |
| Reading Room, Aska .. ... | Reading Newspapers and some recreation. | ... | | 100 0 0 | 100 0 0 | 12 | ... | ... | 12 | No | .. About 1887. |
| Berhampur Association .. | Literary and public ... | ... | . | 15 8 0 | 15 8 0 | 26 | ... | .. | 26 | No | .. About the year 1870 or so. |
| *Vizagapatam.* | | | | | | | | | | | |
| Reading Room, Yellamanchili. | For improvement of the members. | .. | ... | 6 0 0 | 6 0 0 | 12 | ... | ... | 12 | No | ... Feb. 1893. |
| Hindu Reading Room, Narsapatam. | Do. | ... | ... | 5 0 0 | 5 0 0 | 10 | ... | .. | 10 | No | ... Nov. 1893. |
| Sri Venkata Anandavardhani Sabha, Kassimkota. | Do. | .. | .. | 24 0 0 | 24 0 0 | 16 | .. | .. | 16 | No | ... Sept. 1896. |
| Reading Room, Chodavaram. | Do. | ... | ... | 80 0 0 | 80 0 0 | 10 | ... | ... | 10 | No | ... 1891. |
| K. Ramalinga Sastri's Tennis Court Club, Chodavaram. | For bodily exercise ... | ... | ... | 50 0 0 | 50 0 0 | 6 | ... | ... | 6 | No | ... 1896. |
| The Victoria Jubilee Club, Párvatipur. | Mutual improvement of members. | ... | ... | 198 13 3 | 198 13 3 | 32 | ... | ... | 32 | No | .. 1887. |
| Reading Room, Palakonda. | For instruction, amusement and recreation. | .. | ... | 195 4 0 | 195 4 0 | 18 | 10 | 6 | 34 | No | ... 1882. |
| Saraswati Samáj, Bimlipatam | Literary and physical improvement. | ... | 170 0 0 | 291 12 0 | 461 12 0 | 465 | . | ... | 465 | No | ... 1889. |
| Young Men's Association ... | Do. | ... | Rs. 70 6 0 and 2 tolas of gold Rs. (42-5). | 68 2 0 | 180 13 0 | 56 | ... | 18 | 74 | No | ... May 1896. |
| *Gódávari.* | | | | | | | | | | | |
| The Jubilee Public Library and Reading Room, Rajahmundry. | Mental, moral and social improvement of its members. | 102 8 0 | ... | 587 8 8 | 690 0 8 | 78 | ... | ... | 78 | Yes | ... 14th Sept. 1894. |
| Literary Association, Cocanada. | Do. | ... | ... | 360 0 0 | 360 0 0 | 54 | ... | ... | 54 | No | ... 1877. |
| Mutual improvement Society, Peddapur. | Do. | ... | ... | 164 0 0 | 164 0 0 | 30 | ... | ... | 30 | No | ... Feb. 1898. |
| Peddanna Sholapuramma Town Hall and Reading Room, Narsapuram. | Do. | ... | ... | 246 0 0 | 246 0 0 | 30 | ... | ... | 30 | No | ... 5th Mar. 1897. |
| Humes' Association, Kopella. | Do. | ... | ... | 20 0 0 | 20 0 0 | 20 | ... | ... | 20 | No | ... 10th Mar. 1895. |
| Balasamájam, Yenamadurru. | Do. | ... | ... | 6 0 0 | 6 0 0 | 15 | ... | 12 | 27 | No | ... 18th Jan. 1897. |
| Navaroji Association, Undi. | Do. | ... | ... | 6 0 0 | 6 0 0 | 11 | ... | ... | 11 | No | ... 1893. |
| Teachers' Association, Pavaru. | For the improvement of primary education and mutual improvement. | ... | ... | ... | ... | 7 | ... | ... | 7 | No | ... 31st May 1896. |
| Teachers' Association, Ramachandrapuram. | Do. | ... | ... | 96 0 0 | 96 0 0 | 18 | ... | ... | 18 | No | ... 1st Sept. 1898. |
| Teachers' Association, Vedurupaka. | Do. | ... | ... | ... | ... | 8 | ... | ... | 8 | No | ... 7th Feb. 1897. |
| Teachers' Association, Razole. | Do. | ... | ... | 9 0 0 | 9 0 0 | 18 | ... | ... | 18 | No | ... 1st April 1897. |
| Teachers' Association, Nagaram. | Do. | ... | ... | ... | ... | 15 | ... | ... | 15 | No | ... 1st Feb. 1897. |
| Teachers' Association, Achanta. | Do. | ... | ... | 5 0 0 | 5 0 0 | 15 | ... | ... | 15 | No | ... 1st April 1897 |
| Teachers' Association, Podur. | Do. | ... | ... | 5 0 0 | 5 0 0 | 10 | ... | ... | 10 | No | ... 1st April 1897. |
| Teachers' Association, Bhimavaram. | Do. | ... | ... | 5 0 0 | 5 0 0 | 20 | ... | ... | 20 | No | ... 10th Mar. 1898. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(76)—*Return of Scientific and Literary Societies for the year* 1898–99—continued.

| Names. | Object. | Income | | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| *Gódávari*—cont. | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | |
| Teachers' Association, Akividu. | For the improvement of primary education and mutual improvement. | | ... | 1 0 0 | 1 0 0 | 10 | | | 10 | No | 25th Oct. 1897. |
| Teachers' Association, Ganapavaram. | Do. | | | 1 0 0 | 1 0 0 | 15 | | | 15 | No | 1st Mar. 1898. |
| Teachers' Association, Amalapuram. | Do. | | | 2 0 0 | 2 0 0 | 20 | | | 20 | No | 1st July 1897. |
| Teachers' Association, Podogattapalli. | Do. | | | 1 0 0 | 1 0 0 | 10 | | | 10 | No | 1st Jan. 1898. |
| Teachers' Association, Ambajipeta. | Do. | | | | | 20 | | ... | 20 | No | 1st Jan. 1898. |
| Teachers' Association Mummidivaram. | Do. | | | | ... | 20 | ... | ... | 20 | No | 1st June 1897. |
| Teachers' Association, Allavaram. | Do. | | ... | | ... | 20 | | | 20 | No | 1st June 1897. |
| Teachers' Association, Tattaramudi. | Do. | | ... | ... | ... | 15 | ... | ... | 15 | No | 1st June 1897. |
| Teachers' Association, Polamur. | Do. | ... | ... | 2 0 0 | 2 0 0 | 22 | ... | ... | 22 | No | 17th Feb. 1895. |
| People's Association, Veramadurru. | For the improvement of literature. | ... | ... | 30 0 0 | 30 0 0 | 24 | ... | ... | 24 | No | 16th July 1893. |
| Teachers' Association, Rajahmundry. | For the improvement of the professional and intellectual qualifications of the teachers in Girls' schools. | ... | ... | 49 6 0 | 49 6 0 | 45 | 2 | ... | 47 | No | 11th Mar. 1895. |
| Teachers' Association, Ellore. | Do. | ... | ... | ... | ... | 16 | 3 | 3 | 22 | No | 16th Mar. 1895. |
| *Kistna.* | | | | | | | | | | | |
| Vijayavada Sabha, Bezwada. | To cultivate good habits and promote literary knowledge. | ... | ... | ... | ... | 70 | ... | ... | 70 | No | Aug. 1886. |
| C.M.S. High School Literary Society, Bezwada. | Do. | | ... | 10 0 0 | 10 0 0 | ... | ... | 45 | 45 | No | 1886. |
| Social Club, Bezwada ... | Do. | ... | ... | 200 0 0 | 200 0 0 | 25 | ... | ... | 25 | No | July 1891. |
| Buckinghumpeta Reading Room, Bezwada. | Do. | ... | ... | 50 0 0 | 50 0 0 | 30 | ... | ... | 30 | No | Oct. 1894. |
| Durvurthinasana Samájam, Bezwada. | Do. | ... | ... | 15 0 0 | 15 0 0 | 40 | ... | ... | 40 | No | 1896. |
| Teachers'Association, Guntúr. | For the improvement of primary education. | ... | ... | ... | ... | 20 | ... | ... | 20 | No | 28th Nov. 1891. |
| Mission Association, Guntúr. | Do. | ... | ... | 9 0 0 | 9 0 0 | 33 | 8 | 8 | 49 | No | 1st July 1892. |
| Teachers' Association, Bapatla. | Do. | ... | ... | 6 13 0 | 6 13 0 | 43 | ... | ... | 43 | No | 13th June 1896. |
| The Kistna Club, Masulipatam. | Advancement of intellectual and debating faculties. | ... | ... | 564 0 0 | 564 0 0 | 36 | ... | ... | 36 | No | 1893. |
| Hindu Matha Bala Samájam, Masulipatam. | To further the cause of Hinduism. | ... | ... | 18 0 0 | 18 0 0 | 44 | ... | 30 | 74 | No | Aug. 1890. |
| Teachers' Association, Bezwada. | For the improvement of primary education. | ... | ... | 5 0 0 | 5 0 0 | 25 | ... | ... | 25 | No | June 1898. |
| Diamond Jubilee Reading Room and Tennis Club attached to it, Narasaraopeta. | For the improvement of physical and moral culture. | ... | ... | 242 4 0 | 242 4 0 | 34 | ... | ... | 34 | No | 13th Sept. 1894. |
| Teachers' Association, Vinukonda. | For the improvement of primary education. | ... | ... | 3 0 0 | 3 0 0 | 16 | ... | .. | 16 | No | 2nd Dec. 1898. |
| Women Teachers'Association, Guntúr. | Improvement of teaching. | ... | ... | 9 0 0 | 9 0 0 | 33 | 22 | ... | 55 | No | 1892. |
| Women Teachers'Association, Bandar. | Do. | ... | ... | ... | ... | 45 | ... | ... | 45 | No | 1897. |
| *Kurnool.* | | | | | | | | | | | |
| The Muhammadan Reading Room, Kurnool. | General improvement ... | ... | ... | 96 0 0 | 96 0 0 | 15 | ... | ... | 15 | No | Jan. 1896. |
| M.R.Ry. T. Chidambara Rau's Reading Room, Kurnool. | Do. ... | ... | ... | 140 0 0 | 140 0 0 | 30 | ... | ... | 30 | No | 1898. |
| M.R.Ry. Parthasarathi Mudaliyar's Reading Room, Kurnool. | Do. ... | ... | ... | 100 0 0 | 100 0 0 | 20 | ... | ... | 20 | No | 1898. |
| Reading Room, Nandyal ... | Do. ... | ... | ... | 336 0 0 | 336 0 0 | 35 | ... | ... | 35 | No | Feb. 1887. |
| Sri Venkatakrishna Vilayam Reading Room. | To improve moral and mental culture. | ... | ... | 17 0 0 | 17 0 0 | 32 | ... | ... | 32 | No | 19th Nov. 1898. |
| *Bellary.* | | | | | | | | | | | |
| Students Reading Room, Bellary. | To improve mental, moral and spiritual culture. | ... | ... | 24 0 0 | 24 0 0 | 10 | ... | 20 | 30 | No | Mar. 1896. |
| Sarasavinódhini Sabha, Bellary. | Do. | ... | ... | 1,400 0 0 | 1,400 0 0 | 50 | ... | 10 | 60 | No | April 1896. |
| Native Club, Bellary ... ... | Do. | ... | ... | 240 0 0 | 240 0 0 | 20 | ... | ... | 20 | No | 1880. |
| Reading Room, Collector's Office, Bellary. | Do. | ... | ... | 240 0 0 | 240 0 0 | 20 | ... | ... | 20 | No | 1885. |
| Progressive Union, Bellary ... | Do. | ... | ... | 150 0 0 | 150 0 0 | 25 | ... | ... | 25 | No | Mar. 1885. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

76 —*Return of Scientific and Literary Societies for the year* 1898-99—continued.

| Names. | Object. | Income | | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| *Bellary—cont.* | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | |
| Young Men's Debating Club, Bellary. | To improve mental, moral and spiritual culture. | ... | ... | 144 0 0 | 144 0 0 | 8 | ... | 4 | 12 | No ... | Jan. 1888. |
| Debating Club Reading Room, Bellary. | Do. | ... | ... | 360 0 0 | 360 0 0 | 40 | ... | ... | 40 | Yes ... | 1889. |
| Sanmarga Sanga, Bellary ... | Do. | ... | ... | 1,000 0 0 | 1,000 0 0 | 100 | ... | 20 | 120 | No ... | April 1887. |
| Congress of Telugu Poets and Pandits, Bellary. | Do. | ... | 700 0 0 | 50 0 0 | 750 0 0 | 60 | ... | ... | 60 | No ... | 1897. |
| Wardlaw College Dialectic Union, Bellary. | Do. | ... | ... | 20 0 0 | 20 0 0 | 25 | ... | ... | 25 | No ... | July 1895. |
| Diamond Jubilee Reading Room, Adoni. | Do. | ... | 50 0 0 | 290 0 0 | 340 0 0 | 271 | 13 | 19 | 303 | No ... | 22nd June 1897. |
| Reading Room, Yemmiganur. | Do. | ... | ... | 42 0 0 | 42 0 0 | 12 | ... | ... | 12 | No ... | 1st Feb. 1898. |
| Bekaji Venkataiya's Reading Room, Penukonda. | Do. | ... | ... | 95 0 0 | 95 0 0 | 22 | .. | ... | 22 | No ... | 29th Mar. 1892 |
| Reading Room, Hospet .. | Do. | ... | ... | 240 0 0 | 240 0 0 | 15 | ... | ... | 15 | No ... | 1892. |
| Reading Room, Harpanahalli. | Do. | ... | ... | 108 0 0 | 108 0 0 | 15 | ... | ... | 15 | No ... | 1890. |
| Reading Room, Hadagalli ... | Do. | ... | ... | 90 0 0 | 90 0 0 | 10 | ... | ... | 10 | No ... | 1898. |
| Reading Room, Kampti ... | Do. | ... | ... | 60 0 0 | 60 0 0 | 6 | ... | ... | 6 | No ... | 1893. |
| *Anantapur.* | | | | | | | | | | | |
| Reading Room, Anantapur ... | Literary, social and physical improvement of its members. | .. | ... | 130 1 9 | 130 1 9 | 45 | .. | .. | 45 | No ... | 1884. |
| Teachers' Association of Penukonda L.S. School. | Do. | ... | ... | 6 0 0 | 6 0 0 | 8 | ... | ... | 8 | No ... | 9th Mar. 1895. |
| *Cuddapah.* | | | | | | | | | | | |
| Literary Association, Cuddapah. | Social, moral, mental and intellectual improvement. | ... | ... | 437 13 0 | 437 13 0 | 68 | ... | ... | 68 | No ... | 1882. |
| Reading Room, Proddatur ... | Do. | ... | ... | 145 0 0 | 145 0 0 | 15 | ... | ... | 15 | No ... | 1885. |
| Pulivendla Literary Society ... | Do. | ... | ... | 60 0 0 | 60 0 0 | 12 | ... | .. | 12 | No ... | 1893. |
| Kadiri Mutual Improvement Society. | Do. | ... | ... | 18 0 0 | 18 0 0 | 17 | ... | ... | 17 | No ... | 1890. |
| Madanapalle Young Men's Mutual Improvement Society. | Literary improvement .. | ... | ... | .. | . | 10 | ... | 65 | 75 | No ... | 1886. |
| Madanapalle Hindu Association. | Do. .. | ... | ... | 168 0 0 | 168 0 0 | 23 | ... | ... | 23 | No ... | 1887. |
| Elocution Society, Madanapalle. | To train the members in power of Elocution. | ... | ... | 20 0 0 | 20 0 0 | 15 | ... | 17 | 32 | No ... | 1894. |
| American Arcot Mission Reading Room, Madanapalle. | To spread information ... | ... | .. | 100 0 0 | 100 0 0 | 15 | ... | 5 | 20 | No ... | 1870. |
| Vayalpad Students' Union P.V.C. School. | To improve English and Telugu knowledge of members. | .. | ... | 6 0 0 | 6 0 0 | 6 | ... | 35 | 41 | No ... | 1896. |
| Popular Scientific Literary Association, Vayalpad. | To popularize scientific truths among the masses. | .. | ... | .. | . | 10 | 5 | 35 | 50 | No ... | 1896. |
| *Nellore.* | | | | | | | | | | | |
| Reading Room, Mulapet .. | Reading newspapers . | . | ... | 204 0 0 | 204 0 0 | 33 | ... | ... | 33 | No ... | 1896. |
| Reading Room and Library, Ongole. | Newspapers and Journal reading and innocent indoor and outdoor games. | .. | . | 131 0 0 | 131 0 0 | 30 | 1 | ... | 31 | No ... | 1st Mar. 1891 |
| The Ongole Literary and Dramatic Union. | Development of gifts in essay writing, debate and impersonation. | .. | . | 40 8 0 | 40 8 0 | 25 | ... | ... | 25 | No .. | 28th Mar. 1897. |
| Teachers' Association, Juvvalapalem, Ongole Taluk. | General improvement of the teachers. | ... | .. | 2 1 3 | 2 1 3 | 10 | ... | ... | 10 | No ... | 30th Nov. 1896 |
| Teachers' Association, Inamanamallur, Ongole Taluk. | Do. | ... | .. | 0 5 6 | 0 5 6 | 11 | ... | ... | 11 | No ... | 28th Feb. 1897. |
| Teachers' Association, Chennakurti, Ongole Taluk. | Do. | ... | ... | 1 0 0 | 1 0 0 | 8 | ... | ... | 8 | No ... | 24th Mar. 189 |
| Teachers' Association, Maddulur. | Do. | ... | ... | 2 11 0 | 2 11 0 | 10 | ... | ... | 10 | No ... | 28th Mar. 1897. |
| Teachers' Association attached to the Government Training School, Ongole. | For the improvement of the literary and professional knowledge of the students under training. | ... | ... | ... | ... | 35 | ... | ... | 35 | No ... | Feb. 1898. |
| Reading Room and Maclean's Library, Nellore. | Literary and physical improvement. | ... | ... | 390 0 0 | 390 0 0 | 48 | ... | ... | 48 | No ... | 1864. |
| Nellore Girls' Schools Teachers' Association. | To improve the quality of teaching in girls' schools. | ... | ... | ... | ... | 23 | 5 | ... | 28 | No ... | 26th Oct. 1898. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(76)—*Return of Scientific and Literary Societies for the year* 1898-99—continued.

| Names. | Object. | Income | | | | | | Members or visitors. | | | | | | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | Registered or not. | |
| *Madras.* | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | | | | |
| The Triplicane Literary Society. | Mental, moral and physical improvement. | . | . | 580 0 3 | 580 0 3 | 98 | | . | 98 | No | .. | 1860. |
| The Christian Literature Society. | Educational ... | . | . | 732 6 2 | 732 6 2 | .. | | .. | ... | No | ... | 1858. |
| Religious Tract and Book Society. | To supply religious literature. | | ... | 1,022 6 3 | 1,022 6 3 | . | ... | .. | | No | ... | 1818. |
| The Elephant Gate Association. | Mental, moral and social improvement. | ... | ... | 72 0 0 | 72 0 0 | 10 | 7 | 3 | 20 | No | .. | 1896. |
| Madras Literary Society and Auxiliary of the Royal Asiatic Society. | Scientific and literary ... | . . | ... | 6,316 1 1 | 6,316 1 1 | 297 | ... | ... | 297 | Yes | ... | 1818. |
| The Madras Progressive Union. | Moral and mental culture, social and literary improvement. Maintenance of a poor school. | ... | ... | 27 4 0 | 27 4 0 | 28 | . . | ... | 28 | Yes | ... | 1880. |
| The Madras Teachers' Guild. | The improvement of methods of teaching and the discussion of educational questions. The promotion of social intercourse between teachers. | ... | ... | 558 4 0 | 558 4 0 | 237 | 1 | ... | 238 | Yes | ... | 1895. |
| Muhammadan Public Library. | For public benefit ... | 420 0 0 | 43 2 7 | 112 0 0 | 575 2 7 | 1,352 | ... | 112 | 1,464 | Yes | ... | 1850. |
| The Debating Society, Nungambakam. | Mental, moral and social improvement of the members. | ... | ... | 15 12 0 | 15 12 0 | 19 | ... | ... | 19 | No | ... | 1st Jan. 1897. |
| The Theistic Library of the Southern India Brahma Samáj, with a Reading Room attached. | For the spread of knowledge on theism and on useful general subjects. | ... | ... | ... | ... | 110 | 4 | ... | 114 | No | ... | 1864. |
| The Madras Moral Juvenile Association of the Brahmo Ragged School. | For the improvement of the morals of the children. | ... | ... | ... | ... | 36 | ... | ... | 36 | No | ... | 1889. |
| Madras Short-hand Writers' Association. | To give instruction in short-hand. | ... | ... | 13 0 0 | 13 0 0 | 20 | 2 | ... | 22 | No | ... | 1895. |
| Vanniyakula Kshatrya Maha Sangam, Madras. | To educate the Vanniya caste boys and to deal with questions affecting the status of the Vanniyas. | ... | 735 12 0 | 5,152 11 8 | 5,888 7 8 | 352 | ... | ... | 352 | Yes | ... | April 1888. |
| Progressive Union and Free Reading Room and Library, Komaleswaranpet. | Moral, mental and social improvement. | ... | ... | 10 0 0 | 10 0 0 | 70 | ... | ... | 70 | No | ... | 1885. |
| Muhammadan Association, Rayapet. | Improvement of the Muhammadan community socially, morally and intellectually. | ... | ... | 96 8 0 | 96 8 0 | 56 | ... | ... | 56 | No | ... | 1888. |
| The Muhammadan Literary Society, Madras. | The mental, moral, social and religious improvement of the members and the amelioration of the condition of the Muhammadan community in general. | ... | ... | 338 5 3 | 338 5 3 | 57 | ... | ... | 57 | No | ... | 1896. |
| Rayapet Reading Room and Rayapet Anna Library. | ..... | ... | ... | 176 9 0 | 176 9 0 | 3,602 | 405 | ... | 4,007 | No | ... | 1888. |
| South Indian Branch British Medical Association. | Discussion of medical and scientific subjects. | ... | ... | Rs. 20 for each Madras city member, Rs. 18 for each Moffusil member. | ... | 119 | ... | ... | 119 | Yes | ... | 1884. |
| The Madras Debating Society. | Mental and moral improvement. | ... | ... | 40 0 0 | 40 0 0 | 40 | ... | ... | 40 | No | ... | 1877. |
| The Christian College Literary Society. | Do. | ... | ... | 30 0 0 | 30 0 0 | 40 | ... | ... | 40 | No | ... | 1877. |
| The History Students' Union. | Promotion of historical knowledge. | .. | ... | 15 0 0 | 15 0 0 | 25 | ... | ... | 25 | No | ... | 1887. |
| The Philosophical Association. | Promotion of philosophical knowledge. | ... | ... | 15 0 0 | 15 0 0 | 25 | ... | ... | 25 | No | ... | 1887. |
| Dravida Bhashabhivirthi Sangam. | Encouragement of Tamil literature. | ... | ... | 5 0 0 | 5 0 0 | 25 | ... | ... | 25 | No | ... | 1887. |
| Andrabhashabhiranjani ... | Encouragement of Telugu literature. | ... | ... | 25 0 0 | 25 0 0 | 28 | ... | ... | 28 | No | ... | 1887. |
| The Bejan Society ... ... | Mental and moral improvement. | ... | ... | 25 0 0 | 25 0 0 | 35 | ... | ... | 35 | No | ... | 1892. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(76 *Return of Scientific and Literary Societies for the year* 1898-99—continued.

| Names. | Object. | Income | | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| *Madras cont.* | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | |
| Reading Room, Egmore | Social religious, physical, intellectual and moral improvement. | ... | .. | 70 11 0 | 70 11 0 | 24 | ... | .. | 24 | No ... | 1st Oct. 1898. |
| Association of Women Teachers, Madras. | To stimulate interest in, and to promote a knowledge of, the art of teaching. To encourage sociability and co-operation among the members of the teaching staff. | | ... | 183 0 0 | 183 0 0 | ... | 70 | ... | 70 | Ye ... | 2nd Nov. 1889. |
| *Chingleput.* | | | | | | | | | | | |
| The Best Law Library and Reading Room. | The study of law and literature. | .. | ... | 336 0 0 | 336 0 0 | 26 | ... | ... | 26 | No ... | Aug. 1883. |
| The Native High School Literary Association, Chingleput. | Mental, moral and social improvement. | . | ... | 47 1 2 | 47 1 2 | 20 | ... | 54 | 74 | No ... | April 1894. |
| The Free Church Mission Literary Society, Chingleput. | Do. | .. | ... | 19 4 6 | 19 4 6 | .. | ... | 30 | 30 | No ... | July 1896. |
| The Hindu Young Men's Association, Madurantakam. | Do. | ... | 18 4 3 | 10 4 7 | 28 8 10 | ... | ... | 62 | 62 | No ... | 29th Jan. 1892. |
| The Teachers' Association, Uttaramerur. | Improvement of teachers. | ... | ... | 1 6 0 | 1 6 0 | 39 | ... | ... | 39 | No ... | Oct. 1893. |
| The Teachers' Association, Conjeeveram. | Do. | ... | ... | 7 8 0 | 7 8 0 | 30 | ... | ... | 30 | No ... | Nov. 1896. |
| The Oriental Literary Institution, English Branch, Conjeeveram. | Mental, moral and social improvement of the members. | ... | ... | 82 0 0 | 82 0 0 | 30 | ... | ... | 30 | No ... | Mar. 1898. |
| The Pachaiyappa's Literary Society, Conjeeveram. | Do. | ... | ... | 40 0 0 | 40 0 0 | ... | ... | 110 | 110 | No ... | Sept. 1897. |
| Young Men's Literary Association, Saidapet. | Mental and moral improvement. | ... | ... | 11 0 0 | 11 0 0 | 22 | ... | ... | 22 | No ... | April 1897. |
| *North Arcot.* | | | | | | | | | | | |
| The North Arcot Teachers' Association. | Improvement of method of teaching and discussion of questions affecting education and the promotion of social intercourse. | ... | ... | 11 8 0 | 11 8 0 | 13 | ... | ... | 13 | No ... | 1898. |
| Reading Room, Vellore Bar. | Improvement of legal and general knowledge. | ... | ... | 182 8 0 | 182 8 0 | 15 | ... | ... | 15 | No ... | 1892. |
| Union Club, Vellore .. ... | Physical, intellectual and moral advancement of members. | ... | ... | 287 2 0 | 287 2 0 | 31 | ... | ... | 31 | No ... | 1895. |
| American Mission Reading Room, Vellore. | For general information and improvement. | ... | 60 0 0 | ... | 60 0 0 | 7,440 | ... | ... | 7,440 | No ... | 1878. |
| American Mission Reading Room, Punganuru. | General diffusion of knowledge. | ... | 111 10 0 | 15 0 0 | 126 10 0 | 2,121 | ... | ... | 2,121 | No ... | 1891. |
| Chittoor Association ... ... | To promote the welfare of the country and union among the members. To help the diffusion of knowledge, social and literary and to encourage physical education among the members. | | ... | 500 0 0 | 500 0 0 | 36 | ... | ... | 36 | No ... | 1881. |
| The Mission High School Union, Tirupati. | Moral and intellectual improvement. | ... | ... | 10 9 6 | 10 9 6 | 11 | ... | ... | 11 | No ... | 1887. |
| The Mission High School Reading Room, Tirupati. | Do. | ... | ... | 91 1 0 | 91 1 0 | 2,366 | ... | 26,208 | 28,574 | No ... | 1888. |
| The Mission High School Athletic Club, Tirupati. | Physical improvement of teachers and pupils. | ... | ... | 16 3 0 | 16 3 0 | 60 | .. | 200 | 260 | No ... | 1893. |
| Reading Room and Library, Tirupati. | Social, mental and moral improvement. | ... | ... | 476 0 0 | 476 0 0 | 98 | ... | ... | 98 | No ... | 1894. |
| American poor Mission Reading Room, Walajanagar. | Newspaper reading ... | ... | 65 10 0 | 24 4 0 | 89 14 0 | 3,889 | ... | 1,050 | 4,939 | No ... | 1884. |
| Victoria Jubilee Reading Room, Ranipettai. | Social, mental and moral improvement. | ... | ... | 128 0 0 | 128 0 0 | 1,100 | .. | ... | 1,100 | No ... | 1887. |
| Theosophical Society Branch, Sholinghur. | For religious and philosophical discussions. | ... | ... | ... | ... | 12 | .. | .. | 12 | No ... | 1891. |
| Union Club, Sholinghur ... | Cultivation and acquisition of knowledge, general and legal. | ... | 350 0 0 | 168 0 0 | 518 0 0 | 7 | . | .. | 7 | No ... | 1898. |
| The Jubilee Memorial Reading Room, Sholinghur. | Newspaper reading ... | ... | ... | 114 0 0 | 114 0 0 | 14 | ... | .. | 14 | No .. | 1890. |
| Madras Railway Literary Association, Arkonam. | The mental cultivation of its members by obtaining news. | ... | 4 8 11 | 471 15 0 | 476 7 11 | 70 | 3 | .. | 73 | No ... | 1869. |
| G.S. Young Men's Library Society, Tirupati. | Social, mental and moral improvement. | .. | ... | 104 6 0 | 104 6 0 | 19 | ... | 86 | 105 | No ... | 1894. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(76)—*Return of Scientific and Literary Societies for the year* 1898-99—continued.

| Names. | Object | Income | | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| *North Arcot* cont. | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | |
| Teachers' Association, Timiri. | Improvement of method of teaching and discussion of general subjects. | ... | ... | 1 4 0 | 1 4 0 | 12 | | 8 | 20 | No | 1st Mar. 1898. |
| Teachers' Association, Kalavai. | Do. | | ... | 2 0 0 | 2 0 0 | 16 | | 10 | 26 | No | 1st Mar. 1898. |
| Teachers' Association, Kelur. | Do. | ... | ... | ... | ... | 6 | | | 6 | No | 9th Mar. 1898. |
| Anjuman-i-Nustati Islam ... | Promoting literature | ... | .. | 46 0 0 | 46 0 0 | 51 | .. | 15 | 66 | No | 1896. |
| Anjuman-i-Shankat-i-Islam. | Do. .. | ... | ... | 30 0 0 | 30 0 0 | 25 | ... | . | 25 | No | 1896. |
| Thrilinga Bhasha Poshini Sangham (Literary Society). | To improve mental, moral and literary knowledge. | ... | . | 9 0 0 | 9 0 0 | 30 | ... | | 30 | No | July 1893. |
| Reading Room and Tennis Club, Chittoor. | Mental and physical culture. | ... | ... | 240 0 0 | 240 0 0 | 15 | ... | .. | 15 | No | 1889. |
| Women Teachers' Association, Vellore. | Improvement of teachers. | ... | ... | 5 12 9 | 5 12 9 | 10 | 7 | ... | 17 | No | 20th July 1895. |
| *South Arcot.* | | | | | | | | | | | |
| Union Club, Cuddalore ... | The social advancement and well-being of its members. | ... | ... | 696 0 0 | 696 0 0 | 63 | ... | ... | 63 | No | 1879. |
| Union Club, Tirukkóyilur ... | Mental, moral and spiritual improvement. | ... | ... | 116 0 0 | 116 0 0 | 20 | ... | ... | 20 | No | 1883. |
| The Danish Mission Reading Room, Kallakurichi. | Do. | ... | ... | 65 12 0 | 65 12 0 | 20 | ... | 3 | 23 | No | 1896. |
| Teachers' Association, Cuddalore Municipality. | Improvement of primary education. | ... | ... | 3 8 0 | 3 8 0 | 34 | ... | ... | 34 | No | 1898. |
| Jubilee Reading Room, Chidambaram. | The moral, intellectual and physical advancement of the members. | ... | ... | 146 12 0 | 146 12 0 | 19 | ... | ... | 19 | No | 1887. |
| Union Club, Vriddhachalam. | Reading newspapers and journals and tennis play. | ... | ... | 12 0 0 | 12 0 0 | 13 | ... | ... | 13 | No | 1890. |
| Union Club, Tindivanam ... | Social, intellectual and athletic improvement. | ... | ... | 186 0 0 | 186 0 0 | 25 | ... | ... | 25 | No | 1893. |
| Teachers' Association, Tindivanam. | To effect improvement in the method of teaching and to impart instruction in Educational Rules and Grant-in-Aid Code. | ... | ... | ... | ... | 17 | ... | ... | 17 | No | 1897. |
| Teachers' Association, Gingi. | Do. | ... | ... | ... | ... | 12 | ... | ... | 12 | No | 1898. |
| Teachers' Association, Avalurpettai. | Do. | ... | ... | ... | ... | 8 | ... | ... | 8 | No | 1898. |
| Teachers' Association, Villupuram. | Do. | ... | ... | ... | ... | 18 | ... | ... | 18 | No | 1897. |
| Teachers' Association, Vikravandi. | Do. | ... | ... | ... | ... | 11 | .. | ... | 11 | No | 1897. |
| Teachers' Association, Valavanur. | Do. | ... | ... | ... | ... | 8 | ... | ... | 8 | No | 1897. |
| Teachers' Association, Mandagapattu. | Do. | ... | ... | ... | ... | 11 | ... | ... | 11 | No | 1897. |
| Teachers' Association, Chengam. | Do. | ... | ... | ... | ... | 11 | ... | ... | 11 | No | 1897. |
| Teachers' Association, Pennathur. | Do. | ... | ... | ... | ... | 8 | ... | ... | 8 | No | 1897. |
| Teachers' Association, Nellikuppam. | To promote generalknowledge and to improve in teaching method. | ... | ... | 2 8 0 | 2 8 0 | 17 | ... | ... | 17 | No | 1899. |
| Teachers' Association, Panruti. | To improve the status of Result School Masters. | ... | ... | 4 0 0 | 4 0 0 | 28 | ... | ... | 28 | No | 1898. |
| Teachers' Association, Tirukkóyilur. | Mental improvement in teaching. | ... | ... | ... | ... | 9 | ... | ... | 9 | No | 1898. |
| Teachers' Association, Ulundurpet. | Do. | ... | ... | 1 8 0 | 1 8 0 | 7 | ... | ... | 7 | No | 1898. |
| Teachers' Association, Iruvelipet. | Do. | ... | ... | ... | ... | 6 | ... | ... | 6 | No | 1898. |
| Teachers' Association, Tiruvannanallur. | Do. | ... | ... | ... | ... | 9 | .. | ... | 9 | No | 1898. |
| Teachers' Association, Manalurpet. | Do. | ... | ... | ... | ... | 9 | ... | ... | 9 | No | 1898. |
| Teachers' Association, Kallakurchi. | Do. | ... | ... | 1 0 0 | 1 0 0 | 6 | ... | ... | 6 | No | 1898. |
| Teachers' Association, Sankarapuram. | Do. | ... | ... | 1 0 0 | 1 0 0 | 7 | ... | ... | 7 | No | 1898. |
| Teachers' Association, Chidambaram. | Moral, mental and intellectual advancement of the members. | ... | ... | ... | ... | 14 | ... | ... | 14 | No | 1897. |
| Teachers' Association, Vridhachalam. | To improve the knowledge of the teachers of Primary Schools. | ... | ... | ... | ... | 10 | ... | ... | 10 | No | 1895. |
| Teachers' Association, Thittakudi. | Do. | ... | ... | ... | ... | 8 | ... | ... | 8 | No | 1897. |
| Teachers' Association, Melakuppam. | Do. | ... | ... | ... | ... | 10 | ... | ... | 10 | No | 1897. |
| Teachers' Association, Siruvakkam. | Do. | ... | ... | ... | ... | 10 | ... | ... | 10 | No | 1898. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(76)—*Return of Scientific and Literary Societies for the year* 1898-99—continued.

| Names | Object. | Income | | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| *Tanjore.* | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | |
| Teachers Association, Tanjore. | To improve the status of Primary school teachers. | | | 5 0 0 | 5 0 0 | 93 | ... | | 93 | No .. | 1885. |
| Teachers' Association Thirukattupalli. | Do. | | . | 8 0 0 | 8 0 0 | 52 | ... | . | 52 | No . | 1889. |
| Teachers' Association, Pattukotai. | Do. | ... | | 1 0 0 | 1 0 0 | 96 | ... | | 96 | No .. | 1897. |
| Reading Room, Pattukotai | Newspaper reading . | .. | . | 92 8 0 | 92 8 0 | 14 | ... | .. | 14 | No .. | 1878. |
| Reading Room, Mayavaram. | For mental improvement and diffusion of knowledge. | ... | ... | 202 0 0 | 202 0 0 | 30 | ... | ... | 30 | No .. | 1891. |
| Reading Room, Tranquebar. | Do. | ... | ... | 156 0 0 | 156 0 0 | 181 | 6 | | 187 | Yes .. | 1879. |
| Teachers' Association, Mayavaram. | To improve the knowledge of the teachers of Primary schools. | | ... | ... | ... | 35 | .. | | 35 | No .. | 1st Apl. 1886. |
| Teachers' Association, Papanasam. | Do. | .. | ... | . | ... | 25 | ... | .. | 25 | No ... | 21 Feb. 1892. |
| Teachers' Association, Valangiman. | Do. | ... | ... | .. | ... | 25 | .. | .. | 25 | No ... | 1st Jan. 1884. |
| Teachers' Association, Aduthurai. | Do. | ... | ... | ... | ... | 33 | ... | ... | 33 | No ... | 24th Dec. 1894. |
| Reading Room and Literary Association, Negapatam. | Circulation of newspapers and periodicals, discussion of important questions of the day. | ... | ... | 443 12 0 | 443 12 0 | 38 | ... | ... | 38 | Yes ... | 1872. |
| Victoria Club, Negapatam . | The promotion of friendly intercourse among members and their general improvement. | ... | ... | 300 0 0 | 300 0 0 | 85 | ... | .. | 85 | No ... | 1897. |
| Literary Club, Mannargudi ... | To create and foster a definite public opinion on all matters of public interest and to take all constitutional means in realizing the scheme. | ... | ... | ... | 13 0 0 | 16 | ... | .. | 16 | No ... | 11th Dec. 1895. |
| Reading Room, Tiruvalur ... | Social, moral, material and literary improvement of the members and the people. | ... | ... | 116 12 0 | 116 12 0 | 18 | ... | ... | 18 | No ... | 1884. |
| Teachers' Association of Muhammadan Schools, Tanjore. | To improve Muhammadan education. | ... | ... | 6 9 6 | 6 9 6 | 30 | ... | ... | 30 | Yes ... | April 1896. |
| Antony's High School Students, Negapatam. | General literary improvement and creation of a spirit of union. | ... | ... | 18 0 0 | 18 0 0 | ... | ... | 45 | 45 | No ... | 1898. |
| Antony's Reading Room ... | Promotion of a taste for study and of general cultures and creating an interest in the current topics. | ... | 60 0 0 | 66 0 0 | 126 0 0 | 25 | ... | 40 | 65 | No ... | 1898. |
| Antony's Teachers' Association. | Discussion of educational subjects and promotion of a knowledge of the improved methods of instruction. | ... | 15 0 0 | ... | 15 0 0 | 26 | ... | ... | 26 | No ... | 1898. |
| Gopala Rao's Reading Room, Kumbakónam. | For mental improvement and diffusion of knowledge. | ... | ... | 117 8 0 | 117 8 0 | 38 | ... | ... | 38 | No ... | 1895. |
| Literary Association, Tiruvalur. | Literary and moral improvement of the members. | ... | ... | 74 8 0 | 74 8 0 | 23 | ... | ... | 23 | No ... | 1897. |
| *Trichinopoly.* | | | | | | | | | | | |
| Town Hall Club, Trichinopoly | Diffusion of useful knowledge and the maintenance of a reading room and library. | 35 11 0 | 34 0 0 | 462 0 0 | 531 11 0 | 72 | ... | ... | 72 | Yes ... | May 1812. |
| Tennore Club ... ... ... | To read newspapers and to play at lawn tennis. | ... | ... | 18 0 0 | 18 0 0 | 22 | ... | ... | 22 | No ... | 4th Feb. 1894. |
| Swami Vivekananda Society. | To increase knowledge in religion, *i.e.*, in Hinduism. | ... | ... | 74 4 0 | 74 4 0 | 22 | ... | ... | 22 | No ... | Mar. 1897. |
| Teachers' Association, Trichinopoly. | (1) Promotion of science and literature. (2) Instruction and diffusion of useful knowledge. (3) Formation and maintenance of a library for use among members. | ... | ... | 128 0 1 | 128 0 1 | 28 | 1 | ... | 29 | Yes ... | 1890. |
| The Srirangam Club ... ... | Physical, intellectual and social improvement. | ... | ... | 303 0 0 | 303 0 0 | 30 | ... | ... | 30 | No ... | 1883. |
| House of Indian Student, Srirangam. | Intellectual improvement. | ... | ... | 35 0 0 | 35 0 0 | 25 | ... | ... | 25 | No ... | 1891. |
| Young Students' Association, Srirangam. | Improvement of literary knowledge. | ... | ... | 30 0 0 | 30 0 0 | 40 | ... | ... | 40 | No ... | 1896. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(76)—*Return of Scientific and Literary Societies for the year* 1898-99—continued.

| Names. | Object. | Income | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| *Trichinopoly*—cont. | | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. | | | | | | |
| Hindu Students' Literary Society, Srirangam. | Physical and intellectual improvement. | ... | .. | 30 0 0 | 30 0 0 | 30 | | . | 30 | No | 1895. |
| Teachers' Association, Lalgudi. | General and technical improvement of Primary school teachers. | .. | .. | .. | | 25 | | | 25 | No | 1893. |
| Teachers' Association, Mannachanattur. | Do. | ... | .. | ... | ... | 8 | | .. | 8 | No ... | 1892. |
| Reading Room, Kulittalai Board. | Advancement of the Board Middle school and of the public of Kulittalai and Musiri intellectually. | ... | | 250 0 0 | 250 0 0 | 38 | . | | 38 | Yes | Feb. 1890. |
| Teachers' Association, Kulittalai. | Improvement of the teachers of the primary schools in general and technical education. | . | | .. | . | 14 | | | 14 | No ... | Feb. 1894. |
| Teachers' Association, Lalapettai. | Do. | ... | ... | ... | ... | 14 | ... | .. | 14 | No ... | Sept. 1893. |
| Teachers' Association, Nangapuram. | Do. | ... | ... | ... | .. | 6 | ... | ... | 6 | No ... | Sept. 1895. |
| Teachers' Association, Manapparai. | Do. | ... | ... | ... | .. | 14 | ... | | 14 | No .. | Sept. 1893. |
| Teachers' Association, Thuvarankurichi. | Do. | ... | ... | ... | .. | 10 | ... | ... | 10 | No ... | Feb. 1896. |
| Teachers' Association, Chintamanipettai. | Do. | ... | ... | ... | ... | 9 | ... | ... | 9 | No . | Dec. 1894. |
| Teachers' Association, Jayankondasolapuram. | To improve the system of teaching among village schoolmasters. | ... | ... | 6 0 0 | 6 0 0 | 22 | ... | ... | 22 | No ... | 26th Feb. 1898. |
| Teachers' Association, Kilappalur. | Do. | ... | ... | ... | ... | 12 | ... | ... | 12 | No ... | 7th Feb. 1896. |
| Teachers' Association, Srirangam. | Improvement of teachers, general and technical. | ... | ... | 15 0 0 | 15 0 0 | 40 | ... | .. | 40 | No ... | 1899. |
| Teachers' Association, Tiruchandurai. | General and technical improvement of primary school teachers. | ... | ... | 0 14 0 | 0 14 0 | 16 | ... | ... | 16 | No ... | 20th Nov. 1898. |
| Teachers' Association, Vengar. | Do. | ... | ... | 1 4 0 | 1 4 0 | 16 | ... | ... | 16 | No ... | 29th Nov. 1898. |
| People's Association, Lalgudi. | Literary improvement of people in general. | ... | ... | 60 2 0 | 60 2 0 | 20 | ... | ... | 20 | No ... | 1898. |
| Union Club, Ariyalur ... | Mental improvement. | ... | ... | 144 0 0 | 144 0 0 | 20 | ... | ... | 20 | No ... | 1898. |
| Victoria Diamond Jubilee Reading Room, Perambalur. | Improvement of social and intellectual faculties. | ... | ... | 90 0 0 | 90 0 0 | 10 | ... | ... | 10 | No .. | 20th June 1897. |
| *Madura.* | | | | | | | | | | | |
| American Mission High School Reading Room, Madura. | For the use of teachers and students. | ... | ... | 19 5 0 | 19 5 0 | 16 | ... | 202 | 218 | No ... | 1884. |
| Setupathi High School Reading Room, Madura. | For the improvement of boys. | ... | ... | 19 4 0 | 19 4 0 | 27 | ... | ... | 27 | No ... | 1895. |
| Native College Debating Society, Madura. | Do. | ... | ... | 29 12 0 | 29 12 0 | 41 | ... | ... | 41 | No ... | 1892. |
| Mutual Improvement Society Technical Institute, Madura. | Do. | ... | ... | 2 8 0 | 2 8 0 | 96 | ... | ... | 96 | No ... | 1897. |
| Reading Room, Technical Institute, Madura. | For the use of teachers ... | ... | ... | 4 8 0 | 4 8 0 | 21 | ... | ... | 21 | No ... | 1898. |
| Reading Room, Devacottah. | For mental and moral improvement. | ... | ... | 250 0 0 | 250 0 0 | 65 | ... | ... | 65 | No .. | 1898. |
| Reading Room, Kanadukathan. | Do. | ... | ... | 170 0 0 | 170 0 0 | 7 | ... | ... | 7 | No ... | 1893. |
| Technical Institute Teachers' Association, Madura. | For giving instructions in teaching method. | ... | ... | 2 4 0 | 2 4 0 | 36 | ... | ... | 36 | No ... | 1892. |
| Teachers' Association, Mela Gopuram, Madura Town. | Reading newspapers and magazines. | ... | ... | ... | ... | 20 | ... | ... | 20 | No ... | 1897. |
| Teachers' Association, Dindigul. | For mutual improvement, the reading of educational journals, and the discussion of educational questions. | ... | ... | ... | ... | 35 | ... | ... | 35 | No ... | 1897. |
| Teachers' Association, Palni. | Do. | ... | ... | ... | ... | 25 | ... | ... | 25 | No ... | 1896. |
| Teachers' Association, Kalayambuthur. | Do. | .. | ... | ... | ... | 15 | ... | ... | 15 | No ... | 1897. |
| Teachers' Association, Periyakulam. | Do. | ... | ... | 1 5 0 | 1 5 0 | 21 | ... | ... | 21 | No ... | 1896. |
| Teachers' Association, Manamadura. | For mental and moral improvement. | ... | ... | 2 8 6 | 2 8 6 | 6 | ... | ... | 6 | No ... | 1896. |
| Teachers' Association, Tirupuvanam. | Do. | ... | ... | 5 9 0 | 5 9 0 | 14 | ... | ... | 14 | No ... | 1897. |
| Teachers' Association, Tiruppathur. | Do. | ... | ... | 10 8 0 | 10 8 0 | 11 | ... | ... | 11 | No ... | 1897 |
| Teachers' Association, Karaikudi. | Do. | ... | ... | 14 8 0 | 14 8 0 | 14 | ... | ... | 14 | No ... | 1897. |
| Teachers' Association, Ramnad. | Do. | ... | ... | 4 0 0 | 4 0 0 | 14 | ... | ... | 14 | No ... | 1898 |
| Teachers' Association, Hayangudi. | Do. | ... | ... | 0 10 0 | 0 10 0 | 8 | ... | ... | 8 | No ... | 1899. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

76 —*Returns of Scientific and Literary Societies for the year* 1898-99—continued.

| Names. | Object. | Income | | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government | From endowments | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| ***Madura*** cont. | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | |
| Teachers' Association, Tiruvadanai. | For mental and moral improvement. | | . | 9 0 0 | 9 0 0 | 18 | .. | ... | 18 | No ... | 1899. |
| Setupati High School, Victoria Literary Society, Madura. | For social improvement | | | 15 15 0 | 15 15 0 | | | 54 | 54 | No . | 1895. |
| The Southfield Union, Pasumalai. | For the improvement of Hindu Brahman students. | | . | | ... | 12 | | 24 | 36 | No .. | 1897. |
| The Syrienne, Pasumalai | For the improvement of teachers and pupils. | | | | . | 33 | | 51 | 84 | No .. | 1896. |
| Reading Room, Mullippallam. | For the mutual and general improvement of the members. | | | 24 0 0 | 24 0 0 | 6 | .. | . | 6 | No . | 1898. |
| Reading Room, Tirupatur | For mental and moral improvement. | ... | . | 44 0 0 | 44 0 0 | 13 | ... | ... | 13 | No ... | 1898. |
| Reading Room, Tiruvadanai. | Do. | | | 150 0 0 | 150 0 0 | 21 | | | 21 | No .. | 1899. |
| ***Tinnevelly.*** | | | | | | | | | | | |
| Tinnevelly Town Club, Vannarapet. | Physical and mental recreation. | . | . | 1,683 3 4 | 1,683 3 4 | 98 | .. | ... | 98 | No ... | 1889. |
| Reading Room and Lawn Tennis Club, Srivilliputtur. | Do. | | . | 301 8 0 | 301 8 0 | 24 | | ... | 24 | No .. | 1891. |
| Public Library, Srivilliputtur. | Literacy and scientific improvement. | . | 35 0 0 | 8 3 3 | 43 3 3 | 200 | 4 | 150 | 354 | No ... | 1879. |
| Reading Room, Nanguneri .. | Physical and intellectual improvement. | ... | ... | 96 0 0 | 96 0 0 | 6 | . | ... | 6 | No ... | 1895. |
| Reading Room, Ambásamudram. | Do. | | .. | 420 0 0 | 420 0 0 | 40 | .. | ... | 40 | No ... | 1887. |
| Reading Room, Alwarkurichi. | Do. | . | . . | 18 0 0 | 18 0 0 | 4 | ... | ... | 4 | No .. | 1893. |
| Reading Room, Tenkási .. | Do. | | 74 8 0 | 97 11 0 | 172 3 0 | 720 | ... | 310 | 1,030 | Yes ... | 1887. |
| Teachers' Association, Kallidakurichi. | For the improvement of teachers. | . | . | . . | ... | 19 | .. | ... | 19 | No ... | 1898. |
| Teachers' Association, Viravanallur. | Do. | ... | . . | .. | .. | 14 | ... | .. | 14 | No ... | 1898. |
| Teachers' Association, Shermadévi. | Do. | .. | ... | 1 1 0 | 1 1 0 | 18 | ... | ... | 18 | No ... | 1897. |
| Teachers' Association, Pudukóttai. | Do. | ... | | . | .. | 14 | ... | ... | 14 | No ... | 1897. |
| Teachers' Association, Pannikulam. | Do. | . | . | 9 6 0 | 9 6 0 | 25 | .. | ... | 25 | No ... | 1897. |
| Teachers' Association, Ettiyapuram. | Do. | .. | | 6 3 0 | 6 3 0 | 11 | . | ... | 11 | No ... | 1897. |
| Teachers' Association, Vilathikulam. | Do. | ... | .. | ... | . | 12 | ... | ... | 12 | No ... | 1897. |
| Teachers' Association, Alwartirunagari. | Do. | ... | .. | 10 0 0 | 10 0 0 | 20 | ... | ... | 20 | No ... | 1898. |
| Teachers' Association, Satankulam. | Do. | | ... | 7 8 0 | 7 8 0 | 22 | ... | ... | 22 | No ... | 1898. |
| Teachers' Association, Pattamudai. | Do. | ... | . | 340 0 0 | 340 0 0 | 48 | ... | .. | 48 | No ... | 1895. |
| Teachers' Association, Srivilliputtur. | Do. | . | . | 26 9 3 | 26 9 3 | 65 | ... | ... | 65 | No ... | 1897. |
| Teachers' Association, Rajapalayam. | Do. | . . | ... | 4 7 6 | 4 7 6 | 22 | ... | ... | 22 | No ... | 1897. |
| Teachers' Association, Asirvatham. | Do. | ... | . | 2 8 0 | 2 8 0 | 14 | ... | ... | 14 | No ... | 1898. |
| Reading Room, Virudupati . | Mental recreation .. | . | ... | 52 12 0 | 52 12 0 | 30 | ... | ... | 30 | No .. | 1899. |
| Students' Literary Association, Queen's Jubilee Hall, Tinnevelly. | Literary culture ... ... | .. | 205 volumes, worth Rs. 350. | 40 0 0 | 40 0 0 | 23 | ... | ... | 23 | No ... | 1895. |
| Tinnevelly Town Club .. | Physical and mental recreation. | ... | ... | 600 0 0 | 600 0 0 | 60 | ... | ... | 60 | No ... | 1895. |
| ***Coimbatore.*** | | | | | | | | | | | |
| Students' Literary Association, Coimbatore. | Mental, moral and physical advancement. | 260 5 0 | ... | 540 4 9 | 800 9 9 | 165 | ... | .. | 165 | Yes ... | 26th July 1884. |
| Teachers' Association, Coimbatore. | Improvement of teachers. | ... | ... | ... | .. | 34 | ... | ... | 34 | No ... | Aug. 1890. |
| Students' Union, Coimbatore. | Mental, moral and physical advancement. | . | | 8 0 0 | 8 0 0 | 27 | ... | 19 | 46 | No ... | June 1884. |
| Students' Association, Komatti Street, Coimbatore. | Do. | . . | ... | 13 0 0 | 13 0 0 | 18 | ... | 9 | 27 | No ... | Jan. 1898. |
| Reading Room, Kollegal ... | Intellectual, moral and social advancement. | . | ... | 210 11 1 | 210 11 1 | 30 | ... | ... | 30 | Yes ... | 1895. |
| Reading Room, Gopichettipalayam. | Literary and moral improvement. | .. | ... | 120 0 0 | 120 0 0 | 30 | ... | ... | 30 | No ... | Sept. 1897. |
| Reading Room, Satyamangalam. | Do. | ... | ... | 25 0 0 | 25 0 0 | 12 | ... | ... | 12 | No ... | Jan. 1898. |
| Teachers' Association, Erode. | For improvement of teachers. | ... | ... | ... | ... | 27 | ... | ... | 27 | No ... | 1895. |
| Teachers' Association, Karúr. | Do. | ... | ... | 5 12 0 | 5 12 0 | 32 | ... | ... | 32 | No ... | 1898. |
| Reading Room, Erode ... | Intellectual, social and general advancement. | ... | ... | 294 10 0 | 294 10 0 | 51 | ... | ... | 51 | Yes ... | 11th Nov. 1878. |
| Reading Room, Kangayam ... | Do. | ... | ... | 125 0 0 | 125 0 0 | 25 | ... | ... | 25 | No ... | Feb. 1895. |
| Ripon Memorial Association, Udumalpet. | Reading of newspapers, &c., tennis play and other recreations. | ... | ... | 178 4 0 | 178 4 0 | 17 | ... | ... | 17 | No ... | 1884. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(76)—*Return of Scientific and Literary Societies for the year* 1898-99—continued.

| Names. | Object. | Income | | | | Members or visitors. | | | | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | From Government. | From endowments. | From subscriptions. | Total. | Male. | Female. | Juvenile. | Total. | | |
| *Coimbatore*—cont. | | RS A. P. | RS. A. P. | RS. A. P. | RS. A. P | | | | | | |
| Young Men's Association, Idegarai. | General improvement ... | | . | 20 0 0 | 20 0 0 | 15 | | | 15 | No . | May 1893. |
| Teachers' Association, Kollegal. | Improvement of teachers. | ... | ... | .. | .. | 13 | | | 13 | No . | 31st Jan. 1898. |
| Teachers' Association, Tagarapuram. | Do. | ... | ... | ... | .. | 8 | | | 8 | No . | 6th Nov. 1898. |
| Teachers' Association, Gajjebnatham. | Do. | .. | . . | . | .. | 6 | | | 6 | No . | 31st Mar. 1899. |
| Teachers' Association, Satyamangalam. | Do. | ... | ... | 6 0 0 | 6 0 0 | 12 | . | | 12 | No .. | 1898. |
| Teachers' Association, Gopichettipalayam. | Do. | . | .. | 8 0 0 | 8 0 0 | 30 | . | | 30 | No . | 1898. |
| Teachers' Association, Punjaipuliyampatti. | Do. | . . | ... | 9 0 0 | 9 0 0 | 10 | | | 10 | No ... | 1898. |
| Teachers' Association, Idegarai. | Do. | . | ... | ... | ... | 16 | | | 16 | No .. | 28th Aug. 1898. |
| Teachers' Association, Singavellur. | Do. | ... | ... | ... | ... | 15 | | .. | 15 | No ... | 17th July 1898. |
| Teachers' Association, Mettupalayam. | Do. | ... | ... | ... | ... | 16 | . | | 16 | No ... | 6th Aug. 1898. |
| Reading Room, Dharapuram. | Intellectual, social, moral and general advancement. | ... | ... | 12 0 0 | 12 0 0 | 16 | ... | | 16 | No . . | Aug. 1897. |
| Teachers' Association, Dharapuram. | Do. | ... | ... | 9 0 0 | 9 0 0 | 22 | . | . | 22 | No ... | April 1896. |
| Students' Literary Association, Dharapuram. | Do. | ... | ... | 2 0 0 | 2 0 0 | 20 | ... | ... | 20 | No ... | Jan. 1896. |
| Teachers' Association, Bhavani. | Do. | ... | ... | ... | ... | 11 | ... | ... | 11 | No ... | Jan. 1895. |
| Reading Room, Bhavani ... | Do. | ... | ... | 117 0 0 | 117 0 0 | 10 | | ... | 10 | No ... | 20th Jan. 1898. |
| Jubilee Literary Association, Karúr. | Do. | ... | ... | 27 7 3 | 27 7 3 | 44 | .. | ... | 44 | Yes ... | 1889. |
| Reading Room, Pollachi ... | Intellectual improvement. | ... | ... | 168 0 0 | 168 0 0 | 30 | . . | ... | 30 | No ... | 1898. |
| Teachers' Association, Pollachi. | Do. | ... | ... | 31 6 0 | 31 6 0 | 45 | . . | ... | 45 | No ... | 1898. |
| *Salem.* | | | | | | | | | | | |
| Literary Society, Salem ... | Intellectual, social and physical improvement. | 99 6 0 | 120 0 0 | 575 8 0 | 794 14 0 | 90 | .. | 7 | 97 | Yes ... | 1853. |
| Free Reading Room, Salem. | Spread of Christian education. | ... | ... | ... | .. | 12 | .. | 5 | 17 | No ... | 1869. |
| Teachers' Association (secondary and collegiate), Salem. | Improvement of teachers. | ... | ... | 55 7 0 | 55 7 0 | 18 | ... | ... | 18 | No ... | 1895. |
| Teachers' Association (primary), Salem. | Do. | ... | ... | 3 0 0 | 3 0 0 | 20 | . . | . . | 20 | No ... | 1897. |
| Tiruppattúr Reading Room... | Mental improvement ... | ... | .. | 235 6 0 | 235 6 0 | 39 | . . | ... | 39 | No ... | 1877. |
| Victoria Lending Library, Yercaud. | Reading of books, periodicals, Indian and English newspapers. | ... | ... | 868 12 0 | 868 12 0 | 22 | 14 | .. | 36 | No ... | 1875. |
| Remount Depot Library, Mattigiri. | Mental improvement of the residents. | ... | ... | 123 0 0 | 123 0 0 | 8 | 4 | ... | 12 | No ... | 1882. |
| Sourashtra Vidya Sabha, Salem. | Improvement of intellectual attainments of the Sourashtra community. | ... | ... | 30 0 0 | 30 0 0 | 50 | ... | 5 | 55 | No ... | Jan. 1899. |
| Námakkal Literary Institute. | Intellectual, social, physical and general advancement. | ... | ... | 176 4 0 | 176 4 0 | 43 | ... | ... | 43 | No ... | 1890. |
| Women Teachers' Association, Salem. | To improve the method of teaching by model lessons and criticism. | ... | ... | 3 9 0 | 3 9 0 | 29 | 9 | ... | 38 | No ... | 14th July 1896. |
| *Nilgiris.* | | | | | | | | | | | |
| The Nilgiri Library, Ootacamund. | Maintenance of a library and reading room. | ... | ... | 7,902 8 0 | 7,902 8 0 | ... | ... | ... | 278 | Yes, under Act No. XXI of 1860. | 1859. |
| *Malabar.* | | | | | | | | | | | |
| Heerjee Reading Room, Cannanore. | For general information. | ... | 5 0 0 | 59 8 0 | 64 8 0 | 9 | ... | 2 | 11 | No ... | 1895. |
| Primary School Teachers' Branch Association, Cannanore. | To improve the method of teaching. | ... | ... | 10 8 6 | 10 8 6 | 26 | ... | ... | 26 | No ... | 1896. |
| Victoria Jubilee Reading Room, Taliparamba. | Special improvement ... | ... | ... | 158 0 0 | 158 0 0 | 21 | ... | ... | 21 | No ... | 1st Jan. 1889. |
| Edakkad Teachers' Association. | To improve primary education. | ... | ... | ... | ... | 27 | ... | ... | 27 | No ... | 23rd Dec. 1896. |
| Teachers' Association, Kannamkulam. | Do. | ... | ... | ... | ... | 74 | ... | ... | 74 | No ... | 23rd Dec. 1896. |
| Teachers' Association, Mavilayi. | Do. | ... | ... | ... | ... | 94 | ... | ... | 94 | No ... | 23rd Dec. 1896. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(76)—*Return of Scientific and Literary Societies for the year* 1898-99—continued.

| Names | Object. | Income. From Government. | Income. From endowments. | Income. From subscriptions. | Income. Total. | Members or visitors. Male. | Members or visitors. Female. | Members or visitors. Juvenile. | Members or visitors. Total. | Registered or not. | When established. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Malabar*—cont. | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | | | |
| Teachers' Branch Association, Alavil. | For improvement ... | ... | ... | 8 0 0 | 8 0 0 | 58 | ... | ... | 58 | No ... | 26th Dec. 1896. |
| Teachers' Branch Association, Mattayi. | Do. ... | ... | ... | 3 0 0 | 3 0 0 | 8 | ... | ... | 8 | No ... | 15th Oct. 1898. |
| Cannanore Central Teachers' Association. | Do. ... | ... | ... | ... | ... | 150 | ... | ... | 150 | No ... | Oct. 1896. |
| Tali Union Reading Room, Calicut. | Self-improvement ... | ... | ... | 204 8 0 | 204 8 0 | 27 | ... | ... | 27 | No ... | 1st Aug. 1889. |
| Union Club, Calicut ... | Do. ... | ... | ... | 550 0 0 | 550 0 0 | 50 | ... | ... | 50 | No ... | 1st Oct. 1890. |
| Teachers' Association, Badagara. | Do. ... | ... | ... | 18 0 0 | 18 0 0 | 40 | ... | ... | 40 | No ... | 5th July 1897. |
| The Union Club, Tellicherry. | Do. ... | ... | ... | 86 0 0 | 86 0 0 | 30 | ... | ... | 30 | No ... | May 1898. |
| Literary Room, Blathikulangara. | Do. ... | ... | ... | 30 0 0 | 30 0 0 | 20 | ... | ... | 20 | No ... | May 1898. |
| Victoria Jubilee Reading Room, Palghat. | Do. ... | ... | ... | 499 0 0 | 499 0 0 | 32 | ... | ... | 32 | No ... | 1894. |
| Rosario Law Library, Palghat. | Do. ... | ... | ... | 300 0 0 | 300 0 0 | 24 | ... | ... | 24 | No ... | 1892. |
| Young Men's Literary Union, Cochin. | Do. ... | ... | ... | 24 0 0 | 24 0 0 | 24 | ... | ... | 24 | No ... | 1890. |
| Native High School Reading Room, Palghat. | Do. ... | ... | ... | 61 1 9 | 61 1 9 | 12 | ... | 156 | 168 | No ... | Jan. 1899. |
| Mappilla Teachers' Association, Walluvanad. | To improve Mappilla education. | ... | ... | 5 0 0 | 5 0 0 | 35 | ... | ... | 35 | No ... | Nov. 1896. |
| Brennen College Reading Room. | General improvement ... | ... | ... | 180 0 0 | 180 0 0 | 72 | ... | ... | 72 | No ... | 22nd Jan. 1895. |
| *South Canara.* | | | | | | | | | | | |
| Teachers' Association, Kasaragod. | To develop a professional spirit and to improve the teaching in schools. | ... | ... | ... | ... | 46 | ... | ... | 46 | No ... | 1897. |
| Teachers' Association, Badiyadaka. | Do. | ... | ... | ... | ... | 14 | ... | ... | 14 | No ... | 1897. |
| Teachers' Association, Nileswar. | Do. | ... | ... | ... | ... | 11 | ... | ... | 11 | No ... | 1897. |
| Teachers' Association, Mangalvar. | Do. | ... | ... | 1 0 0 | 1 0 0 | 10 | ... | ... | 10 | No ... | 1897. |
| Teachers' Association, Puttur. | Do. | ... | ... | .. | ... | 10 | ... | ... | 10 | No ... | 1897. |
| Teachers' Association, Vittal. | Do. | ... | ... | 1 4 0 | 1 4 0 | 36 | ... | ... | 36 | No ... | 1897. |
| Teachers' Association, Uppinangadi Branch. | Do. | ... | ... | ... | ... | 6 | ... | ... | 6 | No ... | 1899. |
| Reading Room, Kasaragod. | Do. | .. | ... | 128 0 0 | 128 0 0 | 13 | ... | ... | 13 | No ... | 1898. |
| Reading Club, Puttur ... | Do. | ... | ... | 8 0 0 | 8 0 0 | 8 | ... | ... | 8 | No ... | 1899. |
| Reading Room, Hosdrug | Do. | .. | ... | 56 0 0 | 56 0 0 | 8 | ... | ... | 8 | No ... | 1897. |
| Catholic Circulating Library, Mangalore. | Do. | ... | ... | 238 0 0 | 258 0 0 | 53 | 8 | 45 | 106 | No ... | 1898. |
| The Students' Literary and Debating Society, Mangalore. | Mental, moral and general improvement. | ... | ... | 19 0 0 | 19 0 0 | ... | ... | 28 | 28 | No ... | 1892. |
| Literary Society, Mangalore. | Do. | ... | ... | 204 0 0 | 204 0 0 | 85 | ... | ... | 85 | No ... | 1896. |
| Reading Club, Bantval ... | Do. | | ... | 39 12 0 | 39 12 0 | 4 | ... | ... | 4 | No ... | 1895. |
| Newspaper Club, Mudabidri. | Do. | ... | ... | 46 0 0 | 46 0 0 | 7 | ... | ... | 7 | No ... | 1896. |
| Reading Society, Mulki ... | Do. | ... | ... | 61 12 0 | 61 12 0 | 9 | ... | ... | 9 | No ... | 1896. |
| Reading Room, Udipi ... | Do. | ... | ... | 90 0 0 | 90 0 0 | 15 | ... | ... | 15 | No ... | 1892. |
| Reading Club, Coondapoor ... | Do. | ... | ... | 60 0 0 | 60 0 0 | 9 | ... | ... | 9 | No ... | 1886. |
| City Circulating Library, Mangalore. | Do. | ... | ... | 360 0 0 | 360 0 0 | 72 | ... | ... | 72 | No ... | 1898. |
| Canara High School Old Students' Union. | Mutual improvement ... | ... | ... | 48 8 0 | 48 8 0 | 65 | .. | ... | 65 | No ... | 1895. |
| Senior Debating Society ... | Do. ... | ... | ... | ... | ... | 48 | ... | ... | 48 | No ... | 1891. |
| Beginners' Debating Society. | Do. ... | ... | ... | .. | ... | 41 | ... | ... | 41 | No ... | 1895. |
| unior Debating Society ... | Do. ... | ... | ... | ... | ... | 29 | ... | ... | 29 | No ... | 1892. |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(77)—*The Press, for the year* 1898-99.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | a Newspapers. | b Periodicals. |
| **ENGLISH PRINTING PRESSES.** | | | | |
| Mount Road, No. 158 ... | Addison Press . . | Tom Luker | Masánthara Sakshi (Tamil). | Young Men of India, Wesleyan Church Record, Indian Masonic Review, Madras District Directory, Coramandel Almanac. |
| Malaperumal Street, No. 69, Black Town. | Albion Press | A. Swaminatha Mudaliyar. | ... | ..... |
| Mint Street, No. 1 ... | Albunion Press ... | Rev. S. J. Souriyappa. | Andra Basha Sanjeevany (Telugu). Poresatham (Tamil). | The Telugu Baptist, The Templar's Beacon. |
| Anderson Street, No. 19 | Ananda Press .. . | V. Venkatakistnama Chetti and Sons. | .. ... | ..... |
| Errabalu Chetti Street, No. 26. | Asiatic Press ... ... | Mrs. J. C. Woods ... | Vetti Kodiyán or the Madras Standard Bearer. | ..... |
| Popham's Broadway, No. 149. | Ashta Lakshmi Vilasam Press. | T. Gopal Nayudu & Co. | ... . | ... .. |
| Mount Road, No. 200 ... | Beehive Press ... ... | Messrs. Oakes & Co. ... | ..... | .. |
| Car Street, No. 13, Triplicane. | Brahma Vadin Press ... | M. C. Alasingaperumaul. | ..... | The Brahma Vadin (English). |
| Anna Pillai Street, No. 197, Black Town. | Brahmo Orphan Asylum Press. | C. Ponnuswami Pillai, Manager. | The Fellow Worker (English). | ..... |
| Tirumalai Lane, No. 1, Peddu Náyakpet. | Central Press ... ... | Nágarathnammal ... | ..... | ..... |
| Popham's Broadway, No. 2,159. | City Press ... ... | V. Srinivasa Charlu, B.A. | ..... | The Catholic Register (English), The Madras Star (Tamil), The Párijatham (Tamil), Tamil Journal of Education, Gnanapradeepika (Tamil). |
| Anderson Street, No. 1131, Black Town. | Chengalráya Náyakar's Orphanage Press. | The Trustees of Pachaiyappa's Charities and Executors to the Estate of the late Chengalráya Náyakar. | ..... | ..... |
| Varada Muttiappen Street, No. 39. | Chinniah Nadar Press. | P. Kalyanasundara Nadar. | The Indian Social Reformer (English). | Siddhanta Deepika (English), Satwa Sadhani (Telugu), Kalavati (Telugu), Tamil Zenana Magazine. |
| Andiappa Mudali Street, No. 4, Pursawakum. | Chintamoni Press ... | Rao Bahadur K. Veerasalingam Pantulu. | ..... | The Chintamoni (Telugu). |
| Wallaja Road, No. 88, Triplicane. | Commercial Press ... | Messrs. G. Rámaswámi Náyudu and Sons. | ..... | The Muhammadan Advocate of India (English), Vignanodayam (Tamil). |
| Armenian Street, No. 90 ... | Crown Press ... ... | S. Bálasubramanyam Chetti. | ..... | ..... |
| Popham's Broadway, No. 3170. | Diamond Jubilee Press. | C. Rathnaswami Mudaliyar trading as Messrs. Edison & Co. | ..... | ..... |
| Popham's Broadway, Nos. 154 and 155. | Empress of India Press. | A. Shanmugappa Chetti. | ..... | ..... |
| Armenian Street, No. 2 ... | Examiner Press ... | Rev. E. H. DeSilva ... | The Catholic Watchman (English). | ..... |
| Mount Road, Nos. $\frac{2\text{-}3\text{-}4}{30}$... | Foster Press ... ... | C. Iyyasawmi Pillai ... | ..... | ..... |
| Mint Buildings, No. 1 ... | Government Press ... | R. Hill, Superintendent. | ..... | Indian Law Reports (Madras Series), The Fort St. George Gazette. |
| Stringer's Street, No. 28, Peddu Nayakpet. | Grant and Co.'s Press... | C. Annadurai Aiyar ... | The Deccan News ... | ..... |
| Malaiperumal Street, No. 41. | Gladstone Press ... | A. Párthasárathi Mudaliyár. | ..... | ..... |

## B.—SCIENTIFIC AND LITERARY—*continued.*

### (7).—*The Press, for the year* 1898-99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| **ENGLISH PRINTING PRESSES—*continued.*** | | | | |
| Coral Merchant Street, No. 156. | Golden Jubilee Press | M. C. Appaswami Chetti. | ... | ..... |
| Veldan's Road No. $\frac{1}{2}$, Teynampet. | Grove Press | P. Venkoba Rao | ... | ..... |
| Mount Road, Nos. $\frac{164}{165}$ .. | Higginbotham & Co.'s Press. | Messrs. Higginbotham & Co. | The Planting Opinion. | ..... |
| Neupherson Street, No. 16, Peddu Nayakpet. | Havelock Press | S. Ranganadha Mudaliyar. | ... | ..... |
| Mulla Sahib Street, No. 21, Black Town. | Hindu Royal Theatrical Press. | V. Rungaswámi Mudaliyar. | ... | ..... |
| Mount Road, No. 191 | Hindu Press | K. Narasinga Rao, B.A. | Andhraprakásika (Telugu). | ..... |
| Nyneappan Street, No. 32, Muttialpet. | Imperial Press ... ... | Rajamanikyammal .. | ..... | ... |
| Pathálavignésvaran Kovil Street, No. 107, Rayapuram. | Indian Press ... ... | I. Appadurai Pillai | ..... | ..... |
| Popham's Broadway, No. 163. | Irish Press ... ... | V. J. Nayanácannu Mudaliyar trading as V. J. Mánikyavélu Mudaliyár & Co. | ..... | ..... |
| Car Street, No. 33, Mylapur. | Janopakarini Press ... | R. Venkatasubba Rao, B.A., B.L. | ..... | ..... |
| Thambu Chetti Street, No. 289, Muttialpet. | Kalarathnakaram Press. | W. Pushparadha Chetti & Co. | ..... | ..... |
| Nattu Pillayar Covil Street, No. 28, Peddu Nayakpet. | Kalhalananda Press .. | I. Subbarayadu .. | ..... | ..... |
| Mount Road, No. 166 .. | Lawrence Asylum Press. | E. Firth, Secretary ... | ..... | Almanacs, Civil Lists, History of Services of Gazetted Officers, Journal of Education, Christian College Magazine, Madras Law Journal, Madras Railway Guide, Wesleyan Methodist Church Record, St. Mathiahs' Parochial Magazine, Transactions of the South Indian Branch of the British Medical Association, The Oak leaf, St. Andrew's Church Magzine, The Intercession paper. |
| Jehanghir Street, No. 2 11, Black Town. | Law Recorder Press ... | M. C. Parthasaradhi Aiyangar, B.A., B.L. | ..... | The Law Digest and Recorder. |
| Blackers' Lane, Nos. 2 and 3, Mount Road. | Madras Guardian Press. | A. Krishnaswámi Nayudu. | ..... | ... .. |
| Mint Street, No. 391 ... | Madras Hindu Royal Press. | T. Subbarayalu Raju and M. P. Muniswami Mudaliyár. | ..... | ..... |
| North Beach Road, No. 6 .. | Madras Mail Press ... | Messrs. Lawson and Cornish. | The Madras Mai (Daily and Weekly). | ..... |
| Tata Muthiappen Street, No. 25. | Maha Lakshmi Vilasam Press. | A. Kandaswami Mudaliyár. | The Eastern Guardian. | Journal of the Eurasian and Anglo-Indian Association of Southern India (Limited). |
| The Orphan House, No. 229, Tondiarpet. | Madras Tamil Mission Press. | Gnanamuthu Joseph Israel. | ..... | The Madras Tamil Mission Quarterly (English). |
| Thambu Chetti Street, No. 44, Muttialpet. | Memorial Press ... | M. Krishnaswámi Chetti. | ..... | ..... |
| Thambu Chetti Street, No. 93, Muttialpet. | Madras Ripon Press ... | S. Rathna Chettiyar ... | Aryajana Priyan (Tamil and English). | ..... |
| Popham's Broadway, No. 8. | Madras Times Press ... | C. E. P. VansAgnew and his Brothers. | The Madras Time (Daily and Weekly.) | ..... |
| Arunachella Naick's Road, No. 48, Chintadripet. | Mercantile Press ... | A. Kuppuswami Mudaliyar. | ..... | ..... |

# B.—SCIENTIFIC AND LITERARY—*continued.*

## (77)—*The Press, for the year* 1898-99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| **ENGLISH PRINTING PRESSES—*continued.*** | | | | |
| Mount Road, No. 19 ... | Methodist Episcopal Publishing House. | Rev. A. W. Rudisill, D.D. | The Christian Patriot (English), Bright Echoes (English and Tamil). | The Woman's Friend (Tamil), The Christian Ambassador (Telugu), The Collegian (English), The Evangelist (Canarese), The Baptist Missionary Review (English), The Christian Visitor (English), The Messenger (English). |
| Popham's Broadway, No. 33. | Minerva Press .. ... | O. Kandaswami Mudaliyar trading as Messrs. Thompson & Co. | Lokopakari (Tamil), Gnana Chandrika (Tamil). | The Theosophist (English), The Madras Review (English), Gnana Bodhini (Tamil). |
| Pycroft's Road, No. 24, Triplicane. | Muhammadan Press ... | Muhammad Nasir-ud-din Ghattala Effendi. | The Muhammadan (English). | ... |
| Wallajah Road, No. 100 ... | National Press ... | M. Veeraraghava Chariyar, B.A. | The Hindu (English); Daily, Tri-weekly and Weekly. | ... |
| Esplanade, No. 10, Madras. | G. A. Natesan & Co. ... | G. A. Natesan, B.A. .. | ..... | ... .. |
| Arunachela Mudali Street, No. 24, Peddu Náyakpet. | Pandit Mithra Press ... | E. Rathnavelu Mudaliyar. | ..... | ..... |
| Mount Road, No. 9 ... | Platinaur Press ... | Messrs. Wrenn, Bennett & Co. | ... .. | ..... |
| Stringer's Street, No. 5, Black Town. | Premier Press ... ... | V. Perumal Chetti & Sons. | ..... | ..... |
| Popham's Broadway, No. 167. | Price Current Press ... | G. Paramésvaran Pillai, B.A. | The Madras Standard (Daily and Tri-weekly). | ..... |
| Chúlai High Road, No. 31. | Prince of Wales Press. | A. Ethirája Mudaliyár. | ..... | ..... |
| Malaiperumal Street, No. 3, Peddu Náyakpet. | G. Rámaswámi Chetti & Co.'s Press. | G. T. Alwár Chetti and G. E. Sampathu Chetti of G. Ramaswámi Chetti & Co. | ..... | ..... |
| Sundara Pillai Street, No. 15, Pursawákum. | Ruby Press ... ... | P. M. Raju Mudali ... | ..... | ..... |
| Coral Merchant Street, No. 3. | Robinson Press ... | C. Rangaswami Nayakar. | ..... | ..... |
| Second Line Beach, No. 7. | Sathyadipam or Lamp of Truth Press. | Rev. R. M. Bábu ... | The Eastern Star (English). | ..... |
| Kandappachári Street, No. 6, Pursawákam. | Scriptural Publication Society's Press. | Rev. E. Masilámani, Agent. | ..... | Berean, Monthly (English). |
| Anna Pillai Street, No. 150, Peddu Náyakpet. | Scottish Press ... ... | T. V. Tulajaram Rao trading as Graves Cookson & Co. | Viveka Chintamani (Tamil). | ..... |
| New High Court Buildings, Nos. 2-1A. | Scottish Press (Branch). | Do. do. ... | .. ... | ..... |
| Fourth Line, North Beach, Nos. 19 and 20. | Do. do. ... | Do. do. .. | ..... | ..... |
| Mount Road, No. $\frac{2}{155}$ ... | Do. do. ... | Do. do. ... | ..... | Journal of the Amateur Photographic Society. |
| Church Road, No. 17, Vepery. | Society for Promoting Christian Knowledge Press. | Rev. W. Relton ... | ..... | Men of Harlech (English), Progress (English), Truth (Tamil and Telugu), Madras Diocesan Record. |
| Mount Road, No. 4 ... | Srinivása Varadachári Press. | C. Srinivásachári and S. Varadachári. | ..... | The Educational Review. |
| Venkatesa Naiken Road, No. 8, Triplicane. | Srí Lókánandani Press. | C. Rámaswámi Sástri... | ..... | ..... |
| Vinatírtha Mudali Street, No. 48, Pursawákam. | Srí Rájárám Móhun Roy Press. | M. Buchayya Pantulu. | The Hindu Reformer (Telugu). | ..... |
| Malayappan Street, No. 55, Muttialpet. | Star Press ... ... | T. A. Malaya Pillai ... | ..... | ..... |
| Mint Street, No. 379 ... | Star of India Press ... | T. Kuppuswámi Náyakar. | Prapanja Mitran (Tamil), Agnikuladhethan (Tamil). | ..... |
| Armenian Street, No. 117. | Swadesa Mitran Press. | G. Subramanya Aiyar, B.A. | Swadesa Mitran (Tamil). | ..... |

## B.—SCIENTIFIC AND LITERARY—*continued.*

(77)—*The Press, for the year* 1898-99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| | | **ENGLISH PRINTING PRESSES—*continued.*** | | |
| Ashtabuja Road No. 27 Chulai. | Syamarajendra Press. | V. Madurayanathu Mudali. | ... | ... |
| Messrs. T. R. Jawker and Son's Premises, Mount Road. | T. R. Jawker's Press. | T. A. Balakrishna Sukkal. | ... | ..... |
| Appu Maistry Street No. 13 Peddu Nayakpet. | Unam Vaidya Kalanidhi Press. | Hakim B. Mahomed Abd-ullah. | ... | ..... |
| Umpherson's Street, No. 1, Black Town. | Vellavya Nadar Jubilee Press. | T. Rathnasawmi Nadar. | Catholic Patriot (Tamil). | ..... |
| Mount Road, No. 5/8 .. | Vest & Co.'s Press | W. T. Sumner .. | ..... | ..... |
| Popham's Broadway, Nos. 31 and 32. | Victor Press . | B. A. A. Rajendram Pillai. | Mahavikata Dutan (Tamil). | ..... |
| Blackers' Street, No. 1, Narasingapuram. | Vyjayanti Press . | The Hon'ble Rao Bahadur P. Ananda Charlu, B.L., C.I.E., V.V. | ..... | Sri Vyjayanti (Telugu), The Student's Friend. |
| Popham's Broadway, No. 114. | Winstone Press ... | T. Arokeammal ... | ..... | ..... |
| | | **NATIVE PRINTING PRESSES.** | | |
| Vadamalai Maistry Street, No. 20, Peddu Nayakpet. | Amba Sankara Vilasam Press. | C. Appaswami Mudaliyar. | ..... | ..... |
| Nattu Pillaiyar Kovil Street, No. 36, Peddu Nayakpet. | Arumuga Vilasam Press. | C. Kumaraswami Mudaliyar. | ..... | ..... |
| Varadayya Street, No. 11, Peddu Nayakpet. | Adi Lakshminarayana Press. | V. G. Parthasaradhi Náyudu. | ..... | ..... |
| Mint Street, No. 183 . | Adi Kalanidhi Press .. | P. Sivalingayya ... | ..... | ..... |
| Mint Street, No. 2 | Bavaud-din & Co.'s Press. | A. Bava-ud-din & Co. | ..... | ..... |
| Ayalur Muthayya Mudali Street, No. 25, Peddu Nayakpet. | Bharathi Vilasam Press. | O. Ekambara Mudaliyar. | ..... | ..... |
| Avadánam Papayya Road, No. 103, Chulai. | Ilakkana Kalangiyam Press. | A. B. K. Kandaswami Mudaliyar. | ..... | ..... |
| Govindappa Nayak Street, No. 216, Peddu Náyakpet. | Girvánabhasha Rathnákaram Press. | B. Thiagaraya Sastrulu. | ..... | ..... |
| Guruvappen Street, No. 10, Peddu Nayakpet. | Gnanasuryodaya Press. | B. V. Narasimulu Chetti. | ..... | ..... |
| Peddu Nayak's Lane, No. 1/6. | Hindu Rathnákaram Press. | P. Subbarámayya & Son. | ..... | Vidyakalpadrumam (Sanskri and Telugu). |
| Nammalwar Street, No. 54, Peddu Nayakpet. | Jeevakarunnya Vilasam Press. | K. Chellappa Mudaliyár | ..... | ..... |
| Muthukrishna Street, No. 34, Peddu Náyakpet. | Kálagnána Press .. | T. Rathna Mudaliyar... | ..... | ..... |
| Viraraghava Mudali Street, No. 18, Triplicane. | Kalviprakasam Press .. | A. Chidambala Mudaliyár. | ..... | ..... |
| Guruvappen Street, No. 41, Peddu Náyakpet. | Karnataka Book Depot Press. | T. C. Krishnaswami Chetti. | ..... | ..... |
| Thándavaraya Pillai Street, No. 17, Peddu Náyakpet. | Kripa Lakshmi Vilásam Press. | A. Krishnaswami Mudaliyár. | ..... | ..... |
| Vijaya Vignésvaran Kóvil Street, No. 65, Chulai. | Lakshminarayana Vilásam Press. | T. Rámaswami Náyudu. | ..... | ..... |
| Muttiál Maistry Street, No. 2, Old Washermanpett. | Mádhava Nivása Press. | C. Muniswámi Mudaliyár. | ... .. | ..... |
| Vaidyanadha Mudali Street, No. 29, Peddu Náyakpet. | Manónmani Vilásam Press. | K. Mánicka Mudaliyár. | ..... | ..... |
| Kallukaran Street, No. 21, Mylapore. | Meenakshi Ammal Press. | G. P. Subramanya Raju. | ..... | ..... |
| Mint Street, No. 360 ... | Meenakshi Vilásam Press. | T. Srinivasulu Chetti. | ..... | ..... |
| Avadanam Papier Street, No. 6, Chúlai. | Muttamil Vilásam Press. | C. Muniswámi Mudali and S. Muniswámi Mudali. | ..... | ..... |

# B.—SCIENTIFIC AND LITERARY—*continued.*

## (77)—*The Press, for the year* 1898-99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| | | NATIVE PRINTING PRESSES *continued.* | | |
| Swami Náyak Street, No. 93, Chintádripet. | Muttuwar Kulalambal Press. | T. Sabhapati Pillai | ..... | .... |
| Mint Street, No. 328 ... | Natarája Vilásam Press. | T. Kuppuswami Nayakar, guardian, for T. Vadivelu Pillai (Minor). | ..... | ..... |
| Tottikalai Kumárappa Mudali Street, No. 39, Chulai. | Parabrahma Press .. | T. Kanniyappa Mudaliyár & Brothers. | ... | ..... |
| Tirupalli Street, No. 21, Peddu Náyakpet. | Pumagal Vilásam Press. | A. Ranguswámi Mudaliyár. | ..... | ..... |
| Swámi Náyak Street, No. 85, Chintádripet. | Prabhákara Press ... | C. Naráyanaswámi Mudaliyár & Son. | ..... | ..... |
| Vallam Bangáru Chetti Street, No. 30, Purasawákam. | Rámaprasannódayam Press. | M. Ramanuja Chari & Sons. | ..... | ..... |
| Kollavar Agraháram Road, No. 10, Tondiarpet. | Sankaragunadarpanam Press. | A. Viraswámi Sástrulu. | ..... | ..... |
| Náráyana Mudali Street, No. 36, Peddu Náyakpet. | Sasilóka Press ... ... | G. Sésha Chárlu ... | The Sasilóka (Telugu). | ..... |
| Cariappa Mudali Street, No. 20, Purasawákam. | Sitaráma Press ... ... | P. Etherája Mudali. | ..... | ..... |
| Nattu Pillaiyar Kóvil Street, No. 4, Peddu Náyakpet. | Siva Siddhánta Press ... | A. Muttayya ... ... | ..... | ..... |
| Venkatesa Buthen Street, No. 23, Perumalpet, Purasawákam. | Sivagami Vilásam Press. | C. Muniswami Mudaliyár. | ..... | ..... |
| Ayya Mudali Street, No. 36, Chintádripet. | Sivagnánabódham Press. | C. Shanmuga Sundara Mudaliyár. | ..... | ..... |
| Mint Street, No. 217 ... | Sivaprakása Chithrasala Lithográphic Press. | M. Singáravélu Mudaliyár. | ..... | ..... |
| High Road, No. 88, Chulai. | Sri Gurumurthi Srinivasulu Press. | V. Bashyam Mudaliyár. | ..... | ..... |
| Popham's Broadway, No. 1/23 | Srihari Press ... ... | C. Narahari Náyudu ... | ..... | ..... |
| Guruvappan Street, No. 13, Peddu Náyakpet. | Sri Lalitha Press ... | H. Karthikaya Aiyar ... | ..... | ..... |
| Kondalaya Street, No. 8, Peddu Náyakpet. | Srimathumáhamahésvari Press. | P. Akkayya Dévara ... | ..... | ..... |
| Mint Street, No. 139 ... | Srinikáthanam Press ... | T. S. Ramanuja Chariyar. | ..... | ..... |
| Thatha Muthiappan Street, No. 27, Peddu Náyakpet. | Sri Padmanabha Vilásam Press. | E. Parthasaradhi Nayudu. | ..... | ..... |
| Guruvappan Street, No. 60, Peddu Náyakpet. | Sri Ramanuja Vilásam Press. | N. Namniah Chetti & Son. | ..... | ..... |
| Reddi Raman Street, No. 16, Peddu Náyakpet. | Sri Rama Vilásam Press. | P. Nammalwar Chetti. | ..... | ..... |
| Mint Street, No. 420 ... | Sri Ranga Vilásam Press. | V. Krishnasawmi Chetti. | ..... | ..... |
| T. Subbaráyalu Náyudu Street, No. 41, Washermanpet. | Sri Rájarajésvari Nikétanam Press. | P. Tiágaráya Chetti ... | ..... | ..... |
| Payálwár Covil Street, No. 16, Triplicane. | Sri Saraswati Bhandárum Press. | S. Parthasarathi Aiyangár. | ..... | ..... |
| Anna Pillai Street, No. 49, Peddu Náyakpet. | Sri Venkatéswara Press. | P. Arunáchala Chetti ... | ..... | ..... |
| Vallam Bangáru Chetti Street, No. 25, Perumalpetta, Purasawákam. | Sundaravilása Press ... | P. S. Kuppusawmi Mudaliyar. | ..... | ..... |
| Hunter's Road, No. 23, Vepery. | Thondamandalam Press. | P. Kuppuswámi Mudaliyár | ..... | ..... |
| Bommalayya Street, No. 1, Peddu Náyakpet. | Umbala Vilásam Press. | M. N. Arunagiri Mudaliyár. | ..... | ..... |
| Tiruvattúr High Road, No. 81, Tondiarpet. | Vádanta Rathnakaram Press. | W. Pattabhirama Sastrulu and V. Venkatarama Sastrulu. | ..... | ..... |

# B.—SCIENTIFIC AND LITERARY—*continued.*

## (77)—*The Press, for the year* 1898-99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| **NATIVE PRINTING PRESSES—*continued.*** | | | | |
| Narayana Mudali Street, No. 52, Peddu Nayakpet. | Vani Vilásam Press | A. Rathnavelu Mudaliyár. | ..... | ..... |
| Gosha Sahib's Lane, No. 6, Peddu Nayakpet. | Vasurathnákaram Press. | D. Krishna Sarma ... | ..... | ..... |
| Avadanam Pappayya Road, Nos. 18 and 19, Chulai. | Vedavináyákar Press .. | V. Govinda Nayakar ... | ..... | ..... |
| Mannárswámi Covil Road, No. 90, Ráyapuram. | Vidyá Táranginí Press. | A. Veeraswámi Náyakar. | ..... | ..... |
| Mint Street, No. 301 ... | Vidyanupalana Press. | N. C. Sadásiva Pillai. | ..... | ..... |
| Padavattamman Kóvil Street, Nos. 64 and 65, Purasawalkam. | Vidya Rathnakaram Press. | P. Chidambara Mudaliyár. | ..... | ..... |
| Tiruvattúr High Road, No. 106, Washermanpett. | Vidyánikéthanam Press. | S. Kalyanasundara Sástri. | ..... | ..... |
| Vináyakar Kovil Road, No. 42, Perambur Barracks Road. | Vivéka Vilakkam Press. | P. A. Rághava Pillai ... | ..... | ..... |
| Devarája Mudali Street, No. 174, Peddu Nayakpet. | Varthamánatharangini Press. | P. Rámachandra Ráo. | ..... | ..... |
| **HINDUSTANI LITHOGRAPHIC PRESSES.** | | | | |
| Faqir Sahib Street, No. 70, Triplicane. | Ahmadi Press ... | Saiyid Ahmad Husain Sahib. | ..... | ..... |
| High Road, No. 180, Triplicane. | Akbári Press .. | Mir Muhammad Ali Sahib. | ..... | ..... |
| High Road, No. 183, Triplicane. | Anwári Press .. | Muhammad Anwár Sahib. | ..... | ..... |
| Bazaar Road, No. 39, Mylapore. | Asifi Press ... | Asad-ud-din Ahmed ... | The Nair-i-Asifi ... | ..... |
| Tippu Sahib Street, Cheeti's Bagh, No. 14, Triplicane. | Atha-úr-Rahman Press. | Saiyid Shafab-ud-din Sahib. | Showkathul Islam ... | ..... |
| Habibulla Sahib Street, Jam Bazaar, No. 9, Triplicane. | Azizi Press ... ... | Muhammad Abdul Ghaffar. | ..... | ..... |
| Faqir Sahib Street, No. 38, Triplicane. | Firdósi Press .. ... | Muhammad Abdulla Sahib. | ..... | ..... |
| Husain-ul-Mulk's Garden, Ráyapet. | Hidáyat Press .. | Mirza Qasim Beg Sahib. | Daleerai (Hind.) ... | ..... |
| Peter's Road, No. 34, Rayapett. | Haidári Press . ... | Saiyid Murtuza Sahib Qadiri. | Jarida-i-Rozgár ... | ..... |
| Ice House Road, No. 20, Ráyapet. | Islami Press .. . | Moulavi Mir Muhammad Nuralla Husain Sahib. | Alhami .. ... | ..... |
| Venkatachala Lane, No. 2/1, Triplicane. | Manovari Press ... | Muhammad Karim-ud-din Sahib. | ..... | ..... |
| Mowbray Road, No. 65, Ráyapet. | Mathbai Muhammadiya Press. | Muhammad Sibqat-ullah Sahib. | ..... | ..... |
| High Road, No. 228, Triplicane. | Mathbai Rahman Press. | Muhammad Abdur Rahman. | ..... | ..... |
| High Road, No. 97, Triplicane. | Mathbai Sai-di-ya Press. | Muhammad Abdullah Sahib. | ..... | ..... |
| High Road, No. 255, Triplicane. | Nizami Press .. ... | Moulavi Mir Muhammad Nuralla Husain Sahib. | ..... | ..... |
| Nizám-ud-din Ahmad Khán's Gardens, Appu Grámani Street, No. 3, Triplicane. | Nizám-ul-Mathbai Press. | Muhammad Nizám-ud-din Sahib. | ..... | ..... |
| Ungappa Náyak Street, No. 220, Muttiálpet. | Qadiriya Press ... | Saivid Muhammad Husain. | ..... | ..... |
| Pycroft's Road, No. 27, Triplicane. | Shams-ul-Akbari Press. | Muhammad Nasir-ud-din Ghattala Effendi. | Shams-ul-Akbár ... | ..... |
| Peter's Road, No. 32, Ráyapet. | Sultani Press .. ... | Savid Muhammad Abdul Qadir Sahib. | Muckbiri-Deccan ... | ..... |
| Daulat Khán Bahadúr Street, No. 2, Triplicane. | Sharifia Press ... | Sha Muhammad Sadiq-ul-Husain Sharif. | Tilismi-Hairuth, Uron (Madras Punch). | ..... |

# B.—SCIENTIFIC AND LITERARY—*continued.*

## (77)—*The Press, for the Year 1893-94*—*continued.*

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| | | **DISTRICT PRESSES.** | | |
| Ganjám. — Berhampur | Victoria Press .. | Madapalli Chakrapáni Raju. | | |
| | Srimat Áramrita Sindhu Press now designated Vartaháari Press. | Madapalli Bhoja Raju. | .. | . |
| | Sri Saraswati Press ... | Rangavhatla Cunniah Sastri. | ... | . |
| | Indian Law Publication Press. | Kutcherla Kota Ramasauri. | .. | .. |
| Chicacole ... ... | Gáyatri Press . ... | Kanakolanu Kanakadri Rama Rao Pantulu and Dubberu Krishnamurti Soori. | Kalinga .. | ..... |
| | Sri Hari Press .. . | Gundala Venkataramadoss Pantulu. | Balika ... .. ... | .... |
| Parlákimedi ... .. | Gajapathi Press ... | Raja of Parlákimedi ... | Ganjám News ... | ..... |
| Chatrapur ... .. | Sri Marunnanda Nanandani Press. | Kalamadham Padmanabham. | ..... | ..... |
| Vizagapatam. — | District Press ... ... | Government ... ... | ..... | District Gazette. |
| | Arsha Press ... ... | Mahámahópadhyaya Sri Paravastu Venkata Rangacharvulu Ayyavárulum Garu. | ..... | ..... |
| | Indian Law Publication Press. | Kochárlakota Lakshmana Rao Gáru. | ..... | .... |
| Vizagapatam ... | Sri Sárada Makuta Press. | Vimakoa Appala Narasimhulu Chetti Garu. | ..... | ..... |
| | Vénugópála Press ... | Garuda Nukayya Gáru. | ..... | ..... |
| | Imperial Arts Institute Press. | B. Sivarama Sastri Garu. | Vizagapatam Spectator in English (weekly). | ..... |
| | The Alma Press ... | D. Lazarus, Esq., B.A. .. | East Coast News, English (weekly). | ..... |
| Vizianagram ... ... | Sri Vijayaráma Vilása Press. | The Vizianagram Samasthanam. | ..... | Telugu Almanac published by Samasthanam Sidhanty. (Every Telugu New Year's Day.) |
| | Minerva Press ... | Danimi Reddi Ramaswami Nayudu Gáru. | ... .. | ..... |
| Bobbili ... ... ... | Rangaráya Vilása Press. | The Hon'ble the Rája of Bobbili, K.C.I.E. | ..... | ..... |
| Godávari. — | District Press ... ... | Government ... ... | ..... | District Gazette and Proceedings of the Port Conservancy Board. |
| | Messrs. Hall, Wilson & Co.'s Press. | Messrs. Hall, Wilson & Co. | ..... | Chambers' Weekly Slip of Quotations. |
| Cocanada ... ... | Sri Kalánidhi Press ... | Tadi Venkataswámi ... | ..... | ..... |
| | Commercial Press ... | G. Srirámamúrti ... | ..... | ..... |
| | Rájayógi Press<br>Sujanaranjani Press | Potapragada Brahmananda Rao. | ..... | Municipal, District and Taluk Board's Proceedings and Job Work. |
| Pittapur ... ... ... | Pittapur Estate Press. | Rája of Pithápuram ... | ..... | ..... |
| Tuni ... ... ... | Sri Sitarámanilaya Mudrákshara Sála Press. | Sri Rája Vatsa Venkatasimhadri Jagapati Raju Bahadúr Gáru. | ..... | ..... |
| Narsapur ... ... | Diamond Jubilee Press. | Addanki Subba Rau ... | ..... | ..... |
| Rajahmundry ... ... | American Evangelical Mission School of Industry Press. | The Rev. H. C. Schmidt. | ..... | ..... |
| | The Vivékavardhani Press. | Ch. V. Narasimha Rao. | Saraswati ... ... | ... .. |
| Ellore ... ... ... | The Vibutharanjani Press. | D. Ramachandra Rao. | ..... | ..... |
| Senivárapupeta ... ... | Senivárapupeta Zamindarni's Press. | Senivárapupeta Zamindarni. | ..... | ..... |
| Pangedigudem ... | Pangedigudem Rajah's Press. | Rajah of Pangedigudem. | ..... | ..... |

## B.—SCIENTIFIC AND LITERARY—*continued.*

### (77)—*The Press, for the year* 1898-99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| **DISTRICT PRESSES—*continued.*** | | | | |
| Kistna. — Guntúr | A.E.L.M. Press ... | Rev. L. B. Wolfe, M.A., Principal of the A.E.L.M. College. | .. ... | ..... |
| Kistna. — Bezwada | Vani Press ... | D. Kesava Rao Pantulu. | ..... | . .... |
| Kistna. — Bezwada | Vidya Sagara Press . | Chilukuri Virabhadra Rao. | Kistna News ... | Zenana Magazine. |
| Kistna. — Masulipatam | Dove Press ... . | Church Mission Society. | ..... | . ... |
| Kistna. — Masulipatam | Bhairava Press .. | M. Sambhulingam ... | ..... | ..... |
| Kistna. — Masulipatam | Mahesa Press .. .. | M. Seshachalam Nayudu. | ..... | Samrajyapradayani and Sumanamanollasani. |
| Kistna. — Masulipatam | District Press ... ... | Government .. .. | ... .. | Kistna District Gazette. |
| Nellore. — Nellore | Srimath Saraswati Nilayam Press. | Sarasvati Rághava Chárlu, Agent and Manager. | . . | Vagvalli (monthly) and Amudrita Grandha Chintámani (monthly) from July 1898. |
| Nellore. — Nellore | Sri Ranganáyaki Vilasam Press. | A. S. Narasimha Chárlu. | ..... | ..... |
| Nellore. — Nellore | Victoria Press ... | C. Ekámbara Gurukkal. | ..... | Amudrita Grandha Chintamani from 1st April to July 1898. |
| Nellore. — Nellore | Catholic Mission Press. | Rev. M. F. Xavier ... | ..... | Nitidarpanam (a monthly Catholic paper). |
| Nellore. — Nellore | Ramanilayam Press ... | Vangipuram Raghavacharlu. | ..... | ..... |
| Nellore. — Nellore | People's Friend Press. | Dámpur Narasiah ... | * People's Friend ... | ..... |
| Nellore. — Ongole | Srirangaṇáyaki Vilásam Branch Press. | N. Srinivasa Chari ... | ..... | ..... |
| Nellore. — Ongole | Venkatarangayya's Hindu School Printing Press. | K. Venkataramana Rao. | ..... | ..... |
| Nellore. — Kanigiri | Sri Ranganayaki Vilásam Branch Press. | N. Srinivasa Chari ... | ..... | ..... |
| Cuddapah. — Cuddapah | Kalyána Kumára Vilása Press. | T. Gópál Náyudu & Co. | Poornima (monthly). | ..... |
| Cuddapah. — Madanapalle | Arya Vilása Press ... | 1. T. Subba Reddi. 2. G. Rangappa. 3. V. Ramaswámi Reddi. | ..... | ..... |
| Bellary * | District Press ... ... | Government .. ... | ..... | District Gazette (monthly). |
| Bellary * | Albion Press . ... | Mr. M. Abraham ... | ..... | ... .. |
| Bellary * | Neutral Press ... ... | S. Govinda Rajulu Pillai. | ..... | ..... |
| Bellary * | Saraswati Press .. | M. Venkatádri Sástrulu. | ..... | ..... |
| Bellary * | Sárada Press ... . | B. Sómasundaram Chettiyár. | "Sanmarga Bodhini" (weekly). | ..... |
| Bellary * | Ráma Vilása Press ... | D. V. Krishnan & Co. | ..... | ..... |
| Bellary * | Karnatic Press .. | S. Krishnaswami Chetti. | ..... | ..... |
| Bellary * | Saraswati Bhandara Press. | C. Hanumantha Gowd and B. Rajagopala Chetti. | ..... | Navanectha (monthly). |
| Bellary * | Ariyan Press ... ... | P. Ramanna Nayudu ... | ..... | ..... |
| Kurnool ... ... ... | Victoria Press ... | Singáravélu Mudaliyár. | ..... | ..... |
| Chingleput. — Chingleput | The Indian Press ... | Chellammal ... ... | ..... | ..... |
| Chingleput. — Chingleput | Free Church Mission Press. | The Rev. Mr. Maclean. | ..... | ..... |
| Chingleput. — Conjeeveram | Chandrabhánu Press ... | Arunachella Nádár ... | ..... | ..... |
| Chingleput. — Conjeeveram | Kanchi Bhúshana Press. | Ranga Chárlyar ... | ..... | ..... |

* A weekly English paper not yet published. The press also is not working.

# B.—SCIENTIFIC AND LITERARY—*continued.*

## (77)—*The Press, for the year* 1898-99—continued

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| | | DISTRICT PRESSES—*continued.* | | |
| North Arcot. | | | | |
| Vellore | Vani Nikethana Press | Mir Abbas Hussain Sahib, Guardian of Al Navaz Khan. | . | ..... |
| | Victoria Press .. | Singaravelu Mudaliyar. | .... | ..... |
| | Vimalai Vilasa Press ... | Daivasikhamani Aiyar. | ... .. | ..... |
| | Vidya Rathnákaram Press. | Appadurai Mudaliyár . | . | ..... |
| | Manonmani Nivasa Press.* | Kunniah Nayudu . | .. | ..... |
| Karvetnagar ... ... | Bhárati Vilasa Dana Mudrákshara Sála. | Raja of Karvetnagar ... | ..... | ..... |
| Arni .. ... ... | American Arcot Mission Industrial School Press. | Rev. E. C. Scudder . | "Mangala Vasanam" (a Monthly English-Tamil paper). | ..... |
| Chittoor ... ... | Victoria Jubilee Press... | W. Rámánuja Chárlyar. | Awakener of India (monthly). | ..... |
| | Sri Kamakshi Nilaya Mudrakshara Sala. | Seshamanayoniyaru, Zamindár of Bangari Palayam. | ..... | ..... |
| Punganúru ... ... | Sri Sankara Vilása Mudrakshara Sala. | Zamindár of Punganuru. | .... . | ..... |
| | Váni Manoranjani ... | Náráyana Ráo ... ... | ..... | ..... |
| South Arcot. | | | | |
| | District Press .. ... | Government ... ... | ..... | District Gazette (monthly). |
| Chidambaram ... | Brahma Vidyá Press ... | C. R. Srinivása Sástriyár. | Brahma Vidya ... | Vaidyanadha Deekshitham, etc. |
| | Lóka Matha Press ... | Aiyakannu Othuvar ... | ..... | ..... |
| Cuddalore ... ... | Patriot Press ... ... | P. T. Sadagópa Chári. | Désábhimáni (weekly). | ..... |
| | Srikrishna Vilasa Press. | Rangaswami Pillai ... | ..... | ..... |
| Tanjore. | | | | |
| | Púrna Chandródaya Press. | Náraysná Krishnáji ... | The Janánukúlan (Tamil, weekly). | ..... |
| | Buddhi Prakása Press. | T. S. Sundaram Pillai. | ..... | ..... |
| Tanjore ... ... | Sarvakalávadhi Press. | T. N. Mánikkam Pillai. | ..... | ..... |
| | Victoria Press ... .. | Ponnuswami Pillai ... | ..... | ..... |
| | Srikrishna Vilasa Press. | V. Ry. Sakaram Sahib, Survey. | ..... | ..... |
| Tiruvádi ... ... | Girvána Váni Vilasá Press. | A. Panchapakésa Aiyar. | India Mitran (Tamil, weekly). | ..... |
| Kumbakónam ... ... | Sri Vidyá Press ... | 1. Venkatarama Aiyar.<br>2. Sambasiva Aiyar.<br>3. Náráyanaswámi Aiyar.<br>4. Venguswami Aiyar. | "South Indian Times" is being published from April 1899. | Sanskrit Monthly Journal. The journal is printed here for circulation at Pudukóttai. |
| | Lord Ripon Press ... | J. V. B. Krishna Chettiyár. | ..... | ..... |
| | National Press ... . . | Subbaraya Chetti ... | ..... | ..... |
| | Gopala Vilasa Press ... | K. Vasudeva Rao ... | ..... | ..... |
| | Siddhanta Vidya-Palam Press. | Sabhapati Navalar of Chidambaram. | Sarvajana Mitran.. | ..... |
| Sarabhojirajapuram ... | Veda Vyasa Press † ... | Rungaswami Dikshithar. | ..... | ..... |
| Tranquebar ... ... | Evangelical Lutheran Mission Press. | Rev. H. Beisenheriz Evangelic Lutheran Mission Society. | ..... | The Arunodayam (Tamil, monthly). |
| Anikaran Chatram ... | Lakshmihayanam ... | Vedanta Ramanuja Chariyar. | ..... | ..... |
| Negapatam ... ... | Scottish Branch Press. | T. V. Tulaja Ráma Ráo. | ..... | ..... |
| | Nagai Nilalóchani Press. | G. Sadásivam Pillai ... | Nágai Nilalóchani (Tamil, weekly). | ..... |

* Reported to have been removed to Tiruvannamalai about 4 months ago.

† Prints Mahabharata.

## B.—SCIENTIFIC AND LITERARY—*continued.*

### (77)—*The Press, for the year* 1898-99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| District. | Name of press. | Name of proprietor. | Publications thereat. a Newspapers. | Publications thereat. b Periodicals. |
| DISTRICT PRESSES—*continued.* | | | | |
| Tanjore—*cont.* Negapatam—*cont.* | Eclipse Press ... .. | Messrs. Oliver & Co. . . | South Indian Post (an English weekly paper) and Sajjana Patrika (Tamil, weekly). | ..... |
| | Pennington Press ... | V. Kannavara Stapadhi of Negapatam. | ..... | ..... |
| Nagore ... ... | Hamidra Press ... | S. Sevatha Marakkayar Seeriyar. | Seeriya Suriyan (in Tamil). | .... . |
| Tiruválur .. | Kamalambál Press ... | Arumugam Pillai .. | ..... | ..... |
| Mannárgudi ... ... | Jambuga Lakshmi-vilasa Press. | Subramanya Pillai ... | ..... | ..... |
| Trichinopoly ... ... | St. Joseph's College Press. | Rev. F. H. Grange, S.J. | Messenger of the Sacred Heart of Jesus (in Tamil). | 1. Monthly Instructions (Religious Sermons) fly sheets.<br>2. Short Lives of Saints (Religious Sermons).<br>3. An Epitome of Indian Law Reports, published by T. V. Sanjeva Rao, Pleader, Trichinopoly (published every month). |
| | Southern Star Press ... | P. Ulagappa Pillai ... | ..... | St. John's Parish Magazine (monthly). |
| | Dr. D'Silva Standard Press. | J. Thumbuswami Pillai and Brothers. | ..... | ..... |
| | Dodson Press ... ... | D. Christodás Pillai ... | ..... | ..... |
| | Branch Eclipse Press ... | Messrs. Oliver and Company of Negapatam. | ..... | South Indian Railway Guide (quarterly). |
| | Chief Auditor's Office Press. | South Indian Railway Company. | ..... | ..... |
| | South India Times Press. | V. Pákkiyam Pillai & Sons. | ..... | ..... |
| Madura. Madura ... ... | American Mission Press, Pasumalai. | Rev. J. P. Jones, Manager of the Mission. | 1. Social-Religious News (fortnightly).<br>2. Religious News (monthly). | ..... |
| | South Indian Press ... | C. Séshádri Sástri ... | ..... | ..... |
| | Pándyan Press ... ... | M. Ananthakrishna Náyudu. | ..... | ..... |
| | Sultan Press ... ... | Mir Badr-ud-din Sahib. | ..... | ..... |
| | Sétupati Printing Institute. | W. H. Woolridge, Eurasian. | ..... | ..... |
| | Victoria Press ... ... | G. Gopala Aiyangar ... | South Indian Mail (weekly). | ..... |
| | Shanmuga Vilásam Press. | Mahalingam Pillai ... | ..... | ..... |
| | Meenakshi Sundara Vilásam Press. | Rámaswámi Servai ... | ..... | ..... |
| Dindigul ... ... | Gnánarathná Press ... | N. Kandaswami Pillai. | ..... | ..... |
| | Native Royal Press ... | Muthuswámi Pillai ... | South Indian Mitran (thrice a month). | ..... |
| Dévakóttai ... ... | Thirunavukarasu Naynar Press. | S. Damodaram Pillai ... | Vijiathwagam (weekly). | ..... |
| Ramnad ... ... | S.P.G. Industrial Press. | Rev. A. D. Limbrick ... | The Banner of the Cross (first of every month). | ..... |
| Tinnevelly. Tinnevelly ... ... | Aryaprakásini Press ... | Kulandavelu Pillai ... | ..... | ..... |
| | Vanivilasam Press ... | Muthuswami Mudaliyar. | ..... | ..... |
| | Kanthimathivilasam Press. | A. Gopála Aiyar ... | ..... | ..... |
| | Hindu Désabhimáni Press. | R. Venkatáchalam Aiyar. | ..... | ..... |
| | Union Central Press .. | A. Nellayappa Pillai and T. V. Subramania Pillai. | ..... | ..... |
| | Vijaya Lakshmi Vilásam Press. | S. Krishna Rão ... | ..... | ..... |
| Palamcottah ... .. | C.M.S. Press ... .. | Church Mission Society. | ..... | 1. Children's Magazine (Tamil, monthly).<br>2. Friendly Instructor (Tamil, monthly). |
| | Imanual Press ... ... | J. K. Thyagaraja Pillai. | ..... | ..... |
| | Chintámani Press ... | K. S. Sankaranáráyana Pillai. | ..... | ..... |

## B.—SCIENTIFIC AND LITERARY—*continued.*

77.—*The Press, for the year* 1898–99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | a Newspapers. | b Periodicals. |
| | | DISTRICT PRESSES—*continued.* | | |
| Tinnevelly—*cont.* | | | | |
| Ambasamudram | Lakshmivilásam Press. | A. Sankaranarayana Aiyar. | | |
| Srivilliputtúr ... | Gotha Vilasa Press .. | 1. S. D. Vedanayagam Pillai. 2. K. S. Viramoni Aiyar. 3. Sethu Rao. 4. Vythilingam Pillai. | .. .. | .. .. |
| | Jubilee Printing Press. | P. Venkatachalam Aiyar. | .. .. | ..... |
| Srivaikuntam ... ... | Kalanithi Vilasam Press. | 1. Karuppaswami Pillai. | ..... | .. .. |
| Ottappidáram ... | Elasai Vidyávilásam Press, Ettiyapuram | Venkateswara Jaga Viraráma Ettappa Naiker Avargal, minor Zamindar of Ettiyapuram, under the management of the Court of Wards. | ..... | ... .. |
| | Arunodayam Press, Tuticorin. | V. R. Motha & Co., Tuticorin. | ..... | ..... |
| | Sivaprakása Achuyéndrasalai Press. | T. S. Subramania Pillai. T. S. Namasivayam Pillai. Sivagurunatha Pillai. | ..... | ..... |
| Coimbatore. | | | | |
| Coimbatore ... .. | Coimbatore Coffee Works Press. | Mr. Fraser ... ... | ..... | ..... |
| | The 'Crescent' Press. | S. P. Narasimhulu Náyudu. | The Coimbatore Crescent (weekly). | ..... |
| | K. R. Venkatarámayya & Co.'s Press. | P. Rámaswámi Mudaliyár. | ..... | ..... |
| | 'Literary Sun' Press. | K. N. Easwariah ... | ..... | ..... |
| Erode ... ... ... | Central Press ... ... | Bálasundara Mudaliyár. | ..... | ..... |
| | Pasupathi Press ... | Shanmuga Mudaliyár. | ..... | ..... |
| Udamalpet ... ... | Vidya Rakshani Press. | K. Thirumalaswami Aiyangar. | ..... | ..... |
| Polláchi ... ... ... | M. R. Kalingaroyan Press. | K. C. Doraiswami ... | The Varavarthamani (weekly). | ..... |
| The Nilgiris. | | | | |
| Ootacamund ... | 'Nilgiri News' Press. | Mr. S. S. Sidney ... | The Nilgiri News ... | ..... |
| | Lawrence Asylum Press, Ootacamund Branch. | Trustees of Lawrence Asylum. | ..... | 1. Nilgiri District Gazette. 2. Nilgiri District Supplement. 3. Madras Command Orders. |
| Coonoor ... ... ... | Albion Press ... ... | T. M. Periyaswámi Pillai | ..... | ..... |
| Salem. | | | | |
| Salem ... ... ... | District Press ... ... | Government ... ... | ..... | The District Gazette (a monthly publication). |
| | Patriot Press ... ... | R. Chandu Miyan Sahib. | ..... | ..... |
| | Saurástra Press ... | M. V. Rangiah ... ... | ..... | ..... |
| | Union Press ... ... | A. Ramaswami Mudaliyár. | ..... | ..... |
| Tiruchengódu ... | Subbaráya Goundar's Press. | T. Muttuswámi Kónar. | Vivékadivakáran (weekly). | ..... |
| Tiruppattúr ... ... | Chinnia Nádár Press ... | C. Perumál Nádár ... | ..... | ..... |
| Namakkal ... ... | Union Press ... ... | Bálasundaram Mudaliyár of Erode. | ..... | ..... |

## B.—SCIENTIFIC AND LITERARY—*continued.*

### (77)—*The Press, for the year* 1898-99—continued.

| 1 | 2 | 3 | 4 | |
|---|---|---|---|---|
| | | | Publications thereat. | |
| District. | Name of press. | Name of proprietor. | *a* Newspapers. | *b* Periodicals. |
| DISTRICT PRESSES—*continued.* | | | | |
| South Canara. Mangalore ... ... | District Press ... ... | Government ... ... | ..... | South Canara District Gazette. |
| | Kodiyalboil Press ... | Roman Catholic Mission. | ..... | Mangalore Magazine (quarterly). |
| | Basel Mission Press ... | Basel Mission Committee. | Satyadipiká (in Canarese, bi-monthly). Kéralópakári (Malayálam monthly). Atmópakári (Malayálam, monthly). | ..... |
| | Typographic Press ... | Mr. A. Julian ... ... | ..... | ..... |
| | Dharma Prakása Press. | Udavar Náráyana Chariyár. | ... .. | Almanac (in Canarese). |
| Kasaragod ... ... | Nurululam Press, Magral Kusba. | Vamanjoor Kunhamad Beári. | .. .. | ..... |
| Udipi ... ... ... | Hindu Press ... ... | Bailur Ráma Ráo ... | .... . | Sudarsana (in Canarese). |
| Basrur ... ... ... | Satchidananda Press. | Babsee Bhalji of Udipi | ..... | ..... |
| Calicut ... ... ... | Spectator Press ... ... | Kallat Raghavan ... | Times of Malabar (English, weekly). Kerala Patrik and Kovanodayan. | ..... |
| | Empress Victoria Press. | P. Itti Koshi ... ... | Manórama (Malayálam, weekly). | ..... |
| | Karaparamba Press ... | Messrs. Peirce, Leslie & Co. | ..... | ..... |
| | Kelappan Press ... | Talancherry Kelappan. | ..... | ..... |
| | Vidyá Vilásam Press ... | L. R. Subramanya Aivar. R. Devaraja Aiyar. K. Venkateswara Aiyar. S. C. Mangaya Karas. Ammal. T. S. Subramanya Aiyar. | Kéralasanchari (Malayálam). Kéralachandrika (Malayalam). West Coast Spectator (English), till 22nd August 1898. | ..... |
| | Lakshmi Vilásam Press. | A. K. Sundara Aiyar ... | ..... | English Translation of Sanskrit, Panchatantram, Part I. |
| Ponnáni ... ... | Karakal Saiyid Ali's Press. | Karakal Saiyid Ali ... | ..... | Prints the Koran. |
| | Muchikal Ali Kutti Musaliyár Press. | Kunhi Kutti Musaliyár. | ..... | |
| Walavanad ... ... | Vignána Chintámani Press. | Achuthoth Raman Musad. | ..... | Vignána Chintámani (Weekly Journal, Malayalam). |
| Malabar. Palghat ... ... | Courant Press ... ... | C. V. Krishna Aiyar ... | ..... | ..... |
| | K. P. Krishna Menon's Press. | K. P. Krishna Menon... | ..... | ..... |
| | Vidya Santhanam Press. | K. P. Narayana Pillai. | ..... | ..... |
| | Maingnana Vilakkam Press. | S. Krishnaswami Pillai. | ..... | ..... |
| | Vidya Kalpadrumam ... | Venkatachala Sastri ... | ..... | ..... |
| Cochin ... | 'Cochin Argus' Press... | Mrs. Letitia Pereira ... | The Cochin Argus (English, weekly). | ..... |
| | Kérala Mitram Press ... | Estate of the late Deaji Bhimji. | The Kérala Mitran (Malayálam, tri-monthly). | ..... |
| | Manamóhana Press ... | E. V. Raman Oonythan. | The Malayáli (Malayalam, tri-monthly). | 'War Cry' and 'Vidiya Vilasini.' |
| Kottayam ... ... | Madadululuma ... | Aroyalipreth Kunhi Ahmad. | ... .. | Moolem Song Books. |
| | Vidya Vilasam Press ... | Kottavittil Anantan Nair. | ..... | Vedanta Siddhanta Chandrika. |
| | Motha Bahool Bhaid Nayamveetil Press. | Valappichi Kandi Kunhi Moosa Nayamveetil Abdu. | ..... | ..... |

# CHAPTER IX.—MISCELLANEOUS.

# ECCLESIASTICAL.

(78)—*Return of persons according to religious denominations in the Madras Presidency for the official year.* 1898–99.

| 1 | 2 | | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Denominations. | Number of persons. | | Number of ministers or priests. | Number of churches or buildings designed or used for public worship. | Total annual income from Government. | Remarks. |
| | *a* Natives. | *b* Others. | | | | |
| | | | | | Rs. | |
| Church of England .. | 215,487 | 26,488 | 383 | 1 721 | 2,69,697 | |
| Church of Scotland ... | 2,764 | 1,626 | 23 | 42 | 25,792 | |
| Church of Rome ... | 864,091 | 21,360 | 984 | 2,410 | 15,450 | |
| Protestant Dissenters ... | 105,374 | 1,721 | 407 | 686 | .. | |
| * Unitarians ... | 87 | 13 | 1 | 1 | .. | |

* The figures for 1898–99 not having been received in time, those for 1897–98 have been repeated in this return.

# PART IV.—SPECIAL APPENDIX.

## STATEMENTS I AND II, AND DIAGRAMS.

# STATEMENTS I AND II.

# STATEMENT I.

*Statement showing the influence of Prices of Food upon the birth and death rates in each district in the Madras Presidency.*

| Districts. | Years. | Prices of food-grains. | | | | Ratio per mille of population. | | Ratio per mille of population. | |
|---|---|---|---|---|---|---|---|---|---|
| | | Rice. | Cholum. | Ragi. | Cumbu. | Birth. | Death. | Birth. | Death. |
| Anantapur ... ... | Average. | 13·4 | 27·3 | 30·2 | | 31·8 | 21·3 | 7·0 | 2·1 |
| | 1896 | 11·5 | 26·7 | 29·1 | | 29·1 | 19·4 | 4·3 | ... |
| | 1897 | 9·1 | 13·3 | 16·6 | | 27·7 | 26·9 | 2·9 | 7·5 |
| | 1898 | 10·3 | 15·9 | 19·7 | | 24·8 | 19·4 | ... | ... |
| | Warning rate. | 22·5 | | | | | | | |
| Bellary ... ... | Average. | 12·1 | 27·0 | 32·1 | | 38·9 | 25·4 | 9·6 | 2·7 |
| | 1896 | 10·8 | 27·0 | 33·2 | | 34·3 | 24·5 | 5·0 | 1·8 |
| | 1897 | 8·6 | 12·7 | 15·6 | | 31·5 | 31·2 | 2·2 | 8·5 |
| | 1898 | 9·5 | 21·6 | 23·5 | | 29·3 | 22·7 | ... | ... |
| | Warning rate. | 22·5 | | | | | | | |
| Chingleput ... | Average. | 13·5 | | 22·7 | | 37·0 | 24·4 | 1·3 | 0·1 |
| | 1896 | 13·1 | | 21·0 | | 30·5 | 23·8 | 3·8 | ... |
| | 1897 | 10·7 | | 15·5 | | 37·1 | 23·2 | 1·4 | ... |
| | 1898 | 9·3 | | 14·6 | | 35·7 | 24·3 | ... | ... |
| | Warning rate. | 11·2 | | | | | | | |
| Coimbatore . | Average. | 12·4 | 20·4 | 24·8 | 24·7 | 36·4 | 18·6 | 3·1 | 0·1 |
| | 1896 | 12·0 | 20·9 | 25·3 | 24·4 | 27·8 | 24·2 | 0·5 | 5·7 |
| | 1897 | 10·5 | 16·0 | 19·6 | 18·9 | 26·9 | 20·1 | ... | 1·6 |
| | 1898 | 9·9 | 15·1 | 17·9 | 17·6 | 27·3 | 18·5 | ... | ... |
| | Warning rate. | | | | 19·5 | | | | |
| Cuddapah ... ... | Average. | 13·3 | 25·1 | 27·9 | | 27·6 | 22·6 | 4·3 | 3·8 |
| | 1896 | 11·8 | 23·7 | 26·9 | | 30·1 | 19·5 | 6·8 | 0·7 |
| | 1897 | 8·6 | 13·5 | 16·6 | | 28·2 | 25·9 | 4·9 | 7·1 |
| | 1898 | 9·7 | 17·2 | 18·0 | | 23·3 | 18·8 | ... | ... |
| | Warning rate. | 22·5 | | | | | | | |
| Ganjam ... . | Average. | 15·8 | | 27·1 | | 19·3 | 17·5 | ... | 5·1 |
| | 1896 | 16·5 | | 27·2 | | 26·6 | 20·6 | 3·7 | 2·1 |
| | 1897 | 9·7 | | 13·3 | | 23·9 | 50·1 | 1·0 | 27·4 |
| | 1898 | 12·8 | | 16·7 | | 22·9 | 22·7 | ... | ... |
| | Warning rate. | 13·6 | | | | | | | |
| Godavari ... . | Average. | 14·2 | 24·1 | 25·7 | | 22·3 | 20·8 | 3·9 | 3·6 |
| | 1896 | 12·9 | 21·9 | 24·8 | | 25·8 | 17·1 | 0·4 | 0·4 |
| | 1897 | 9·4 | 14·0 | 13·7 | | 25·4 | 22·8 | 0·8 | 6·1 |
| | 1898 | 10·7 | 17·0 | 16·8 | | 26·2 | 16·7 | ... | ... |
| | Warning rate. | 12·8 | | | | | | | |
| Kistna ... .. ... | Average. | 13·9 | 20·6 | 26·0 | | 33·4 | 22·1 | 0·8 | 1·0 |
| | 1896 | 12·9 | 20·6 | 24·7 | | 33·9 | 19·3 | 0·3 | 3·8 |
| | 1897 | 9·7 | 13·7 | 15·0 | | 34·9 | 22·0 | 0·7 | 1·1 |
| | 1898 | 10·6 | 15·4 | 17·1 | | 34·2 | 23·1 | ... | ... |
| | Warning rate. | 12·3 | | | | | | | |
| Kurnool ... ... | Average. | 12·4 | 25·6 | 26·1 | | 36·1 | 27·8 | 10·3 | 7·1 |
| | 1896 ... | 11·8 | 25·2 | 25·1 | | 30·9 | 23·1 | 5·1 | 2·4 |
| | 1897 ... | 8·7 | 12·7 | 14·9 | | 28·0 | 28·8 | 2·2 | 8·1 |
| | 1898 | 9·9 | 20·0 | 18·9 | | 25·8 | 20·7 | ... | ... |
| | Warning rate. | 22·5 | | | | | | | |
| Madras ... ... | Average. | 11·7 | 18·7 | 22·9 | | 40·2 | 41·5 | ... | 1·3 |
| | 1896 | 10·7 | 18·6 | 21·2 | | 41·5 | 38·2 | ... | ... |
| | 1897 | 9·7 | 12·2 | 15·7 | | 41·6 | 35·8 | 0·1 | ... |
| | 1898 | 8·9 | 12·3 | 15·4 | | 41·5 | 45·2 | ... | ... |
| | Warning rate. | 9·6 | | | | | | | |
| Madura ... ... | Average. | 12·4 | 23·3 | 23·5 | | 31·8 | 20·6 | 9·1 | ... |
| | 1896 | 13·2 | 22·2 | 24·7 | | 30·1 | 20·1 | 7·4 | ... |
| | 1897 | 11·2 | 17·6 | 19·8 | | 28·0 | 23·7 | 5·3 | ... |
| | 1898 | 9·8 | 15·5 | 15·7 | | 22·7 | 15·6 | ... | ... |
| | Warning rate. | | | 21·0 | | | | | |
| Malabar ... ... | Average. | 12·4 | ... | 23·5 | | 23·7 | 18·0 | 5·1 | ... |
| | 1896 ... | 11·9 | .. | 20·0 | | 22·5 | 15·7 | 3·9 | ... |
| | 1897 ... | 9·4 | ... | 19·4 | | 20·8 | 30·2 | 2·2 | ... |
| | 1898 ... | 10·1 | ... | 20·3 | | 18·6 | 17·5 | ... | ... |
| | Warning rate. | 10·7 | | | | | | | |
| Nellore ... ... | Average. | 13·3 | 22·6 | 25·3 | | 25·6 | 16·7 | 1·6 | ... |
| | 1896 ... | 13·2 | 25·4 | 27·2 | | 27·3 | 16·9 | 3·3 | ... |
| | 1897 .. | 10·5 | 15·1 | 17·2 | | 28·3 | 19·5 | 4·3 | ... |
| | 1898 .. | 9·4 | 14·0 | 14·7 | | 24·0 | 19·7 | ... | ... |
| | Warning rate. | | | 21·0 | | | | | |
| The Nilgiris ... ... | Average. | 10·6 | ... | 20·5 | | 23·3 | 20·8 | ... | 4·4 |
| | 1896 ... | 9·4 | ... | 19·2 | | 27·6 | 27·0 | ... | 0·1 |
| | 1897 ... | 8·2 | .. | 15·3 | | 30·7 | 25·5 | 3·0 | ... |
| | 1898 ... | 7·7 | ... | 14·4 | | 27·7 | 30·9 | ... | ... |
| | Warning rate. | 8·8 | | | | | | | |
| North Arcot ... ... | Average. | 13·6 | 23·0 | 26·2 | | 29·6 | 19·7 | 3·0 | ... |
| | 1896 ... | 12·8 | 21·7 | 25·1 | | 28·7 | 17·9 | 2·1 | ... |
| | 1897 ... | 10·5 | 14·4 | 17·8 | | 27·3 | 20·2 | 0·7 | ... |
| | 1898 ... | 10·1 | 15·0 | 16·8 | | 26·6 | 18·3 | ... | ... |
| | Warning rate. | | | 24·0 | | | | | |
| Salem ... ... . | Average. | 13·1 | 22·7 | 26·8 | | 34·2 | 20·2 | 2·4 | ... |
| | 1896 ... | 12·6 | 21·7 | 25·8 | | 32·1 | 20·4 | 0·3 | ... |
| | 1897 ... | 10·6 | 16·1 | 19·5 | | 33·2 | 19·3 | 1·4 | ... |
| | 1898 ... | 9·7 | 14·8 | 17·0 | | 31·8 | 20·4 | ... | ... |
| | Warning rate. | | | 23·0 | | | | | |

| Districts. | Years. | Rice. Increase. | Rice. Decrease. | Cholum. Increase. | Cholum. Decrease. | Ragi. Increase. | Ragi. Decrease. | Cumbu. Increase. | Cumbu. Decrease. | Birth. Increase. | Birth. Decrease. | Death. Increase. | Death. Decrease. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Anantapur ... ... | Average. | 3·1 | . | 8·4 | . | 10·5 | .. | | ... | 7·0 | ... | 2·1 | ... |
| | 1896 | 1·2 | . | 7·8 | . | 9·4 | ... | | .. | 4·3 | ... | ... | ... |
| | 1897 | | 1·2 | | 5·6 | ... | 3·1 | ... | . | 2·9 | ... | 7·5 | ... |
| | 1898 | | | | | | | . | ... | ... | ... | ... | ... |
| Bellary ... ... | Average. | 2·6 | . | 5·4 | ... | 8·6 | ... | ... | ... | 9·6 | ... | 2·7 | ... |
| | 1896 | 1·3 | . | 5·4 | ... | 9·7 | ... | ... | ... | 5·0 | ... | 1·8 | ... |
| | 1897 | | 0·9 | . | 8·9 | ... | 7·9 | ... | ... | 2·2 | ... | 8·5 | ... |
| | 1898 | | | | | ... | ... | .. | ... | ... | ... | ... | ... |
| Chingleput ... | Average. | 4·2 | .. | ... | ... | 8·1 | ... | ... | ... | 1·3 | ... | 0·1 | ... |
| | 1896 | 3·8 | ... | .. | ... | 6·4 | ... | ... | ... | 3·8 | ... | ... | 0·5 |
| | 1897 | 1·4 | . | ... | ... | 0·9 | ... | ... | ... | 1·4 | ... | ... | 1·1 |
| | 1898 | | . | .. | ... | .. | ... | ... | ... | ... | ... | ... | ... |
| Coimbatore . | Average. | 2·5 | ... | 5·3 | .. | 6·9 | ... | 7·1 | ... | 3·1 | ... | 0·1 | ... |
| | 1896 | 2·1 | ... | 5·8 | .. | 7·4 | ... | 6·8 | ... | 0·5 | ... | 5·7 | ... |
| | 1897 | 0·6 | ... | 0·9 | ... | 1·7 | ... | 1·3 | ... | ... | 0·4 | 1·6 | ... |
| | 1898 | .. | ... | .. | ... | ... | .. | ... | ... | ... | ... | ... | ... |
| Cuddapah ... ... | Average. | 3·6 | ... | 7·9 | ... | 9·9 | ... | ... | ... | 4·3 | ... | 3·8 | ... |
| | 1896 | 2·1 | .. | 6·5 | ... | 8·9 | ... | ... | ... | 6·8 | ... | 0·7 | ... |
| | 1897 | . | 1·1 | ... | 3·7 | ... | 1·4 | ... | ... | 4·9 | ... | 7·1 | ... |
| | 1898 | .. | .. | . | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ganjam ... . | Average. | 2·5 | .. | ... | .. | 10·4 | ... | ... | ... | ... | 3·6 | ... | 5·1 |
| | 1896 | 3·7 | .. | | ... | 10·5 | ... | ... | .. | 3·7 | ... | ... | 2·1 |
| | 1897 | ... | 3·1 | ... | ... | ... | 3·4 | ... | ... | 1·0 | ... | 27·4 | ... |
| | 1898 | .. | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Godavari ... . | Average. | 3·5 | ... | 7·1 | ... | 8·9 | ... | ... | ... | ... | 3·9 | 3·6 | ... |
| | 1896 | 2·2 | . | 4·9 | ... | 8·0 | ... | ... | ... | ... | 0·4 | 0·4 | ... |
| | 1897 | .. | 1·3 | . | 3·0 | ... | 3·1 | ... | ... | ... | 0·8 | 6·1 | ... |
| | 1898 | . | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kistna ... .. ... | Average. | 3·3 | . | 5·2 | ... | 8·9 | ... | ... | ... | ... | 0·8 | ... | 1·0 |
| | 1896 | 2·3 | . | 5·2 | ... | 7·6 | ... | ... | ... | ... | 0·3 | ... | 3·8 |
| | 1897 | .. | 0·9 | ... | 1·7 | ... | 2·1 | ... | ... | ... | ... | ... | 1·1 |
| | 1898 | .. | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... |
| Kurnool ... ... | Average. | 2·5 | ... | 5·6 | ... | 7·2 | ... | ... | ... | 10·3 | ... | 7·1 | ... |
| | 1896 ... | 1·9 | ... | 5·2 | ... | 6·2 | ... | ... | ... | 5·1 | ... | 2·4 | ... |
| | 1897 ... | ... | 1·2 | .. | 7·3 | ... | 4·0 | ... | ... | 2·2 | ... | 8·1 | ... |
| | 1898 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Madras ... ... | Average. | 2·8 | ... | 6·4 | ... | 7·5 | ... | ... | ... | ... | 1·3 | ... | 3·7 |
| | 1896 | 1·8 | ... | 6·3 | ... | 5·8 | ... | ... | ... | ... | ... | ... | 7·0 |
| | 1897 | 0·8 | ... | ... | 0·1 | 0·3 | ... | ... | ... | 0·1 | ... | ... | 9·4 |
| | 1898 | ... | ... | .. | ... | .. | ... | ... | ... | ... | ... | ... | ... |
| Madura ... ... | Average. | 2·6 | ... | 7·8 | ... | 7·8 | ... | ... | ... | 9·1 | ... | 5·0 | ... |
| | 1896 | 3·4 | ... | 6·7 | ... | 9·0 | ... | ... | ... | 7·4 | ... | 4·5 | ... |
| | 1897 | 1·4 | ... | 2·1 | ... | 4·1 | . | ... | ... | 5·3 | ... | 8·1 | ... |
| | 1898 | ... | ... | | | ... | ... | ... | ... | ... | ... | ... | ... |
| Malabar ... ... | Average. | 2·3 | ... | ... | ... | 3·2 | ... | ... | ... | 5·1 | ... | 0·5 | ... |
| | 1896 ... | 1·8 | ... | ... | ... | 8·7 | ... | ... | ... | 3·9 | ... | ... | 1·8 |
| | 1897 ... | ... | 0·7 | ... | ... | ... | 0·9 | ... | ... | 2·2 | ... | 12·7 | ... |
| | 1898 ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Nellore ... ... | Average. | 3·9 | ... | 8·6 | ... | 10·6 | ... | ... | ... | 1·6 | ... | ... | 3·0 |
| | 1896 ... | 3·8 | ... | 11·4 | ... | 12·5 | ... | ... | ... | 3·3 | ... | ... | 2·8 |
| | 1897 .. | 1·1 | ... | 1·1 | .. | 2·5 | ... | ... | ... | 4·3 | ... | ... | 0·2 |
| | 1898 .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| The Nilgiris ... ... | Average. | 2·9 | ... | ... | ... | 6·1 | ... | ... | ... | ... | 4·4 | ... | 10·1 |
| | 1896 ... | 1·7 | ... | ... | ... | 4·8 | ... | ... | ... | ... | 0·1 | ... | 3·9 |
| | 1897 ... | 0·5 | ... | ... | ... | 0·9 | ... | ... | ... | 3·0 | ... | ... | 5·4 |
| | 1898 ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| North Arcot ... ... | Average. | 3·5 | ... | 8·0 | ... | 9·4 | ... | ... | ... | ... | ... | 1·4 | ... |
| | 1896 ... | 2·7 | ... | 6·7 | ... | 8·3 | ... | ... | ... | ... | ... | ... | 0·4 |
| | 1897 ... | 0·4 | ... | ... | 0·6 | 1·0 | ... | ... | ... | 0·7 | ... | 1·9 | ... |
| | 1898 ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... |
| Salem ... ... . | Average. | 3·4 | ... | 7·9 | ... | 9·8 | ... | ... | ... | 2·4 | ... | ... | 0·2 |
| | 1896 ... | 2·9 | ... | 6·9 | ... | 8·8 | ... | ... | ... | 0·3 | ... | ... | ... |
| | 1897 ... | 0·9 | ... | 1·3 | ... | 2·5 | ... | ... | ... | 1·4 | ... | ... | 1·1 |
| | 1898 ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATEMENT I—*continued.*

*Statement showing the influence of Prices of Food upon the birth and death rates in each district in the Madras Presidency*—continued.

| Districts. | Years. | Prices of food-grains per rupee. | | | | | | | | | | | | Ratio per mille of population. | | Ratio per mille of population. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Rice | | Cholum | | Ragi | | Cumbu | | | | Birth. | | Death. | |
| | | Rice. | Cholum. | Ragi. | Cumbu. | Increase. | Decrease. | Increase. | Decrease. | Increase. | Decrease. | Increase. | Decrease. | Birth. | Death. | Increase. | Decrease. | Increase. | Decrease. |
| South Arcot | Average. | 13·8 | | 24·4 | 26·1 | 3·6 | | | | 8·3 | | 9·0 | . | 30·3 | 22·6 | 1·0 | . | | 1·8 |
| | 1896 ... | 14·8 | | 27·2 | 28·2 | 4·6 | | | | 11·1 | | 11·1 | | 32·8 | 22·5 | 3·5 | ... | | 1·9 |
| | 1897 | 11·9 | ... | 19·1 | 19·5 | 1·7 | | | | 3·0 | | 2·4 | | 28·7 | 21·2 | | 0·6 | | 3·2 |
| | 1898 . | 10·2 | | 16·1 | 17·1 | | | | | | | | | 29·3 | 24·4 | | | | |
| | Warning rate. | | | | 19·5 | | | | | | | | | | | | | | |
| South Canara | Average. | 13·5 | . | | | 2·4 | | | | | | . | .. | 31·6 | 21·8 | 5·7 | | | 2·8 |
| | 1896 .. | 13·4 | | | | 2·3 | | | | | | ... | .. | 33·7 | 17·5 | 7·8 | | | 7·1 |
| | 1897 ... | 10·1 | .. | | | ... | 1·0 | .. | | | | . | . | 34·1 | 28·0 | 8·2 | . | 3·4 | |
| | 1898 ... | 11·1 | | | | | . | | | | | | . | 25·9 | 24·6 | | . | | . |
| | Warning rate. | 11·2 | | | | | | | | | | | | | | | | | |
| Tanjore | Average. | 13·7 | .. | 24·3 | | 3·0 | .. | . | .. | 7·3 | ... | .. | ... | 28·7 | 24·6 | | 3·3 | | 1·3 |
| | 1896 ... | 14·9 | .. | 29·4 | ... | 4·2 | . | .. | .. | 12·4 | ... | ... | .. | 29·7 | 24·7 | . | 2·3 | | 1·2 |
| | 1897 ... | 11·5 | . | 22·2 | ... | 0·8 | . | | . | 5·2 | .. | ... | .. | 27·3 | 27·4 | | 4·7 | 1·5 | |
| | 1898 ... | 10·7 | ... | 17·0 | ... | ... | ... | .. | . | . | .. | ... | | 32·0 | 25·9 | .. | . | | |
| | Warning rate. | 12·0 | | | | | | | | | | | | | | | | | |
| Tinnevelly | Average. | 11·7 | 19·8 | 21·2 | 17·7 | 1·9 | ... | 5·3 | . | 5·6 | ... | 4·1 | .. | 28·7 | 22·9 | | 2·3 | 1·2 | |
| | 1896 ... | 12·3 | 19·7 | 21·8 | 18·4 | 2·5 | ... | 5·2 | ... | 6·2 | ... | 4·8 | ... | 30·3 | 21·7 | | 0·7 | | .. |
| | 1897 ... | 10·6 | 16·3 | 18·5 | 15·9 | 0·8 | ... | 1·8 | ... | 2·9 | ... | 2·3 | ... | 30·1 | 25·2 | ... | 0·9 | 3·5 | . |
| | 1898 . | 9·8 | 14·5 | 15·6 | 13·6 | ... | ... | ... | ... | .. | ... | ... | ... | 31·0 | 21·7 | ... | . | | |
| | Warning rate. | | | | 16·5 | | | | | | | | | | | | | | |
| Trichinopoly .. | Average. | 12·5 | 27·6 | 23·8 | 24·2 | 3·1 | ... | 13·5 | ... | 7·7 | ... | 8·7 | ... | 29·3 | 23·0 | . | 1·2 | | 1·6 |
| | 1896 ... | 13·2 | 23·8 | 28·1 | 26·0 | 3·8 | ... | 9·7 | ... | 12·0 | ... | 10·5 | ... | 27·8 | 24·1 | ... | 2·7 | . | 0·5 |
| | 1897 ... | 10·7 | 15·9 | 21·0 | 19·8 | 1·3 | ... | 1·8 | ... | 4·9 | ... | 4·3 | ... | 28·6 | 21·0 | .. | 1·9 | .. | 3·6 |
| | 1898 ... | 9·4 | 14·1 | 16·1 | 15·5 | ... | ... | ... | ... | ... | ... | ... | ... | 30·5 | 24·6 | .. | .. | ... | .. |
| | Warning rate. | | | | 19·5 | | | | | | | | | | | | | | |
| Vizagapatam . ... | Average. | 13·8 | . | 26·4 | ... | 1·9 | ... | ... | ... | 6·8 | ... | ... | ... | 23·0 | 17·8 | ... | 0·8 | | 0·7 |
| | 1896 ... | 13·7 | .. | 26·2 | ... | 1·8 | ... | ... | ... | 6·6 | ... | ... | ... | 31·7 | 18·5 | 7·9 | ... | | ... |
| | 1897 ... | 8·9 | ... | 14·5 | ... | ... | 3·0 | | ... | ... | 5·1 | ... | ... | 28·3 | 31·6 | 4·5 | . | 13·1 | . |
| | 1898 ... | 11·9 | ... | 19·6 | ... | ... | ... | .. | ... | ... | ... | ... | ... | 23·8 | 18·5 | .. | ... | | ... |
| | Warning rate. | 12·8 | | | | | | | | | | | | | | | | | |
| Total, Madras Presidency. | Average. | 13·0 | 23·4 | 25·3 | ... | 2·9 | ... | 7·3 | ... | 8·1 | ... | ... | ... | 29·0 | 21·2 | 1·6 | ... | 0·2 | ... |
| | 1896 ... | 12·7 | 22·6 | 25·8 | ... | 2·6 | ... | 6·5 | ... | 8·6 | ... | ... | ... | 29·9 | 20·6 | 2·5 | ... | ... | 0·4 |
| | 1897 ... | 9·9 | 14·5 | 17·2 | ... | ... | 0·2 | ... | 1·6 | ... | ... | ... | ... | 28·7 | 25·4 | 1·3 | ... | 4·4 | ... |
| | 1898 .. | 10·1 | 16·1 | 17·2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 27·4 | 21·0 | ... | ... | ... | ... |

# STATEMENT

*Table contrasting the monthly rainfall in inches in the Madras Presidency*

| Districts | | January.* | | February. | | March. | | April. | | May. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rainfall. | Days. | Rainfall | Days. | Rainfall. | Days. | Rainfall. | Days. | Rainfall. | Days. |
| Ganjam | Average of ten years | 0·22 | 0·4 | 0·63 | 1·2 | 0·93 | 1·9 | 0·76 | 1·7 | 2·44 | 4·0 |
| | 1896 | .. | .. | ... | ... | 0·53 | 0·6 | 0·88 | 1·0 | 1·88 | 4·2 |
| | 1897 | 0·03 | 0·1 | 1·59 | 2·2 | 1·76 | 3·1 | 0·72 | 1·5 | 1·30 | 2·7 |
| | 1898 | ... | .. | 0·79 | 1·8 | 0·02 | 0·1 | 0·89 | 2·1 | 1·77 | 3·8 |
| Vizagapatam. | Average of ten years | 0·11 | 0·2 | 0·32 | 0·7 | 0·96 | 1·8 | 1·21 | 2·2 | 2·25 | 4·3 |
| | 1896 | ... | ... | ... | ... | 0·41 | 0·8 | 0·76 | 1·2 | 2·26 | 3·9 |
| | 1897 | 0·08 | 0·3 | 0·38 | 0·9 | 2·20 | 2·8 | 0·99 | 1·9 | 3·07 | 4·8 |
| | 1898 | ... | ... | 1·45 | 1·0 | 0·08 | 0·2 | 1·18 | 1·6 | 2·74 | 4·6 |
| Gódávari | Average of ten years | 0·03 | 0·1 | 0·11 | 0·2 | 0·35 | 0·5 | 0·51 | 0·9 | 1·46 | 2·1 |
| | 1896 | 0·01 | ... | ... | ... | 0·19 | 0·4 | 0·11 | 0·2 | 0·81 | 1·4 |
| | 1897 | ... | ... | 0·66 | 1·4 | 1·47 | 2·1 | 0·36 | 0·8 | 1·88 | 4·6 |
| | 1898 | .. | ... | 1·47 | 1·1 | 0·02 | ... | 0·24 | 0·5 | 1·23 | 1·9 |
| Kistna | Average of ten years | 0·07 | 0·1 | 0·12 | 0·2 | 0·46 | 0·6 | 0·38 | 0·6 | 1·10 | 2·0 |
| | 1896 | 0·02 | 0·1 | ... | ... | 0·07 | 0·3 | 0·08 | 0·1 | 0·69 | 1·0 |
| | 1897 | 0·01 | ... | 0·83 | 1·4 | 0·62 | 1·1 | 0·34 | 0·3 | 1·54 | 2·3 |
| | 1898 | ... | ... | 1·12 | 1·2 | ... | ... | 0·34 | 0·6 | 0·83 | 1·6 |
| Nellore | Average of ten years | 0·26 | 0·4 | 0·13 | 0·2 | 0·22 | 0·3 | 0·30 | 0·5 | 1·08 | 1·6 |
| | 1896 | 0·29 | 0·6 | ... | ... | 0·03 | 0·1 | 0·14 | 0·2 | 0·70 | 1·4 |
| | 1897 | 1·29 | 1·3 | 0·71 | 1·2 | 0·13 | 0·3 | 0·01 | ... | 1·42 | 1·8 |
| | 1898 | ... | ... | 0·29 | 0·7 | ... | ... | 0·28 | 0·5 | 1·34 | 1·8 |
| Madras | Average of ten years | 0·36 | 1·2 | 0·18 | 0·5 | 0·23 | 0·7 | 0·36 | 0·9 | 1·07 | 1·9 |
| | 1896 | 0·13 | 1·0 | ... | ... | ... | ... | ... | ... | ... | ... |
| | 1897 | 0·46 | 2·0 | 0·53 | 2·0 | 0·06 | ... | 0·07 | ... | 0·18 | 1·0 |
| | 1898 | ... | ... | 0·49 | 1·0 | ... | ... | ... | ... | 0·65 | 1·0 |
| Chingleput | Average of ten years | 0·38 | 0·6 | 0·18 | 0·4 | 0·24 | 0·4 | 0·37 | 0·7 | 1·42 | 1·7 |
| | 1896 | 0·08 | 0·3 | ... | ... | ... | ... | ... | ... | 0·16 | 0·5 |
| | 1897 | 0·41 | 0·9 | 0·56 | 1·2 | 0·31 | 0·7 | 0·16 | 0·6 | 0·84 | 0·8 |
| | 1898 | ... | ... | 0·05 | 0·3 | ... | ... | 0·07 | 0·3 | 0·68 | 1·2 |
| North Arcot. | Average of ten years | 0·14 | 0·4 | 0·24 | 0·4 | 0·23 | 0·4 | 0·70 | 1·1 | 2·24 | 3·3 |
| | 1896 | 0·62 | 0·7 | ... | ... | 0·10 | 0·1 | ... | ... | 2·21 | 3·5 |
| | 1897 | 0·37 | 1·0 | 0·88 | 2·3 | 0·63 | 0·2 | 0·21 | 0·8 | 1·89 | 3·4 |
| | 1898 | ... | ... | 0·24 | 0·3 | ... | ... | 0·81 | 1·5 | 2·47 | 3·8 |
| South Arcot. | Average of ten years | 0·57 | 0·7 | 0·42 | 0·6 | 0·46 | 0·6 | 0·66 | 1·1 | 2·32 | 2·9 |
| | 1896 | 0·22 | 0·6 | ... | ... | ... | ... | ... | ... | 0·84 | 1·6 |
| | 1897 | 0·14 | 0·4 | 2·38 | 2·7 | 0·07 | 0·3 | 0·41 | 1·1 | 1·87 | 2·6 |
| | 1898 | 0·19 | 0·5 | 0·72 | 0·9 | ... | ... | 0·74 | 1·1 | 1·37 | 2·4 |
| Trichinopoly. | Average of ten years | 0·18 | 0·6 | 0·39 | 0·6 | 0·66 | 0·8 | 1·68 | 2·1 | 3·12 | 4·4 |
| | 1896 | 0·02 | 0·1 | ... | ... | 0·11 | 0·3 | 0·05 | 0·2 | 2·77 | 4·6 |
| | 1897 | 0·02 | 0·1 | 3·25 | 2·3 | 0·06 | 0·4 | 0·80 | 1·4 | 4·46 | 4·4 |
| | 1898 | 0·17 | 0·7 | 0·51 | 0·6 | ... | ... | 2·06 | 3·4 | 3·04 | 4·4 |
| Tanjore | Average of ten years | 0·67 | 1·2 | 0·47 | 0·8 | 0·72 | 0·8 | 0·83 | 1·7 | 2·67 | 3·0 |
| | 1896 | 0·15 | 0·5 | ... | ... | 0·27 | 0·1 | 0·10 | 0·3 | 0·66 | 1·4 |
| | 1897 | 0·04 | 0·1 | 3·76 | 3·2 | 0·35 | 0·7 | 0·98 | 1·9 | 1·56 | 2·0 |
| | 1898 | 1·27 | 2·7 | 0·43 | 0·8 | 0·01 | 0·1 | 1·16 | 1·6 | 1·62 | 2·3 |
| Madura | Average of ten years | 0·31 | 0·7 | 0·54 | 1·0 | 1·24 | 1·7 | 2·56 | 3·8 | 2·06 | 3·9 |
| | 1896 | 0·35 | 0·7 | ... | ... | 0·59 | 1·3 | 0·41 | 0·7 | 2·21 | 3·9 |
| | 1897 | 0·11 | 0·3 | 3·59 | 3·2 | 0·51 | 0·8 | 2·22 | 3·9 | 2·03 | 2·8 |
| | 1898 | 0·81 | 1·9 | 0·58 | 1·0 | 0·66 | 0·1 | 2·32 | 3·1 | 2·84 | 4·3 |
| Tinnevelly | Average of ten years | 0·37 | 0·7 | 0·79 | 1·3 | 1·91 | 2·9 | 2·54 | 3·0 | 1·33 | 3·0 |
| | 1896 | 0·30 | 0·6 | ... | ... | 1·39 | 0·2 | 0·54 | 1·3 | 1·71 | 2·7 |
| | 1897 | 0·14 | 0·5 | 2·88 | 3·1 | 0·33 | 0·4 | 4·04 | 7·1 | 0·77 | 1·3 |
| | 1898 | 2·58 | 3·2 | 2·18 | 2·4 | 0·30 | 0·6 | 2·08 | 3·0 | 1·01 | 2·2 |
| The Nilgiris | Average of ten years | 0·44 | 1·1 | 1·44 | 1·6 | 2·08 | 3·3 | 3·91 | 8·2 | 5·36 | 10·8 |
| | 1896 | 0·49 | 0·9 | ... | ... | 0·17 | 0·4 | 0·83 | 2·1 | 2·69 | 5·4 |
| | 1897 | 0·03 | 0·1 | 2·62 | 4·8 | 1·34 | 2·2 | 4·31 | 5·5 | 5·20 | 8·4 |
| | 1898 | 0·37 | 1·5 | 1·64 | 2·6 | 0·03 | 0·1 | 3·45 | 6·5 | 4·07 | 9·6 |
| Canara, South. | Average of ten years | 0·02 | 0·1 | 0·10 | 0·2 | 0·16 | 0·4 | 2·03 | 3·0 | 5·99 | 8·4 |
| | 1896 | ... | ... | ... | ... | ... | ... | 2·03 | 2·4 | 5·78 | 6·9 |
| | 1897 | ... | ... | 0·06 | 0·1 | ... | ... | 1·85 | 3·0 | 3·77 | 5·1 |
| | 1898 | ... | ... | 0·09 | 0·1 | 0·06 | 0·3 | 2·32 | 3·9 | 3·22 | 5·3 |
| Malabar | Average of ten years | 0·06 | 0·1 | 0·29 | 0·6 | 1·08 | 1·9 | 4·54 | 7·2 | 8·15 | 10·4 |
| | 1896 | 0·32 | 0·4 | ... | ... | 0·26 | 0·6 | 2·52 | 3·8 | 7·49 | 9·0 |
| | 1897 | 0·03 | ... | 1·31 | 2·1 | 0·09 | 0·1 | 3·94 | 5·5 | 6·16 | 7·0 |
| | 1898 | ... | ... | 0·24 | 0·4 | 0·16 | 0·2 | 3·32 | 4·5 | 6·06 | 8·1 |
| Salem | Average of ten years | 0·09 | 0·2 | 0·32 | 0·6 | 0·50 | 0·9 | 1·54 | 3·0 | 3·81 | 6·2 |
| | 1896 | 0·09 | 0·3 | ... | ... | 0·05 | 0·2 | 0·02 | 0·1 | 2·91 | 5·0 |
| | 1897 | 0·01 | ... | 1·35 | 2·0 | 0·37 | 0·1 | 0·44 | 1·0 | 4·75 | 7·9 |
| | 1898 | 0·02 | ... | 0·64 | 1·1 | 0·06 | 0·1 | 2·76 | 3·8 | 2·94 | 5·5 |
| Coimbatore | Average of ten years | 0·07 | 0·2 | 0·41 | 0·7 | 0·82 | 1·2 | 2·68 | 3·9 | 3·30 | 5·6 |
| | 1896 | 0·14 | 0·2 | ... | ... | 0·05 | 0·1 | 0·26 | 0·6 | 2·52 | 4·5 |
| | 1897 | ... | ... | 1·53 | 3·2 | 0·33 | 0·4 | 1·38 | 2·8 | 4·42 | 6·9 |
| | 1898 | 0·05 | 0·2 | 0·76 | 1·2 | 0·03 | 0·2 | 2·40 | 3·2 | 3·51 | 5·9 |
| Kurnool | Average of ten years | 0·04 | 0·1 | 0·03 | 0 1 | 0·30 | 0·5 | 0·62 | 1·4 | 0·97 | 2·4 |
| | 1896 | ... | ... | ... | ... | 0·05 | 0·1 | 0·45 | 1·0 | 1·07 | 2·4 |
| | 1897 | 0·06 | 0·2 | 0·12 | 0·5 | 0·14 | 0·1 | 0·56 | 1·0 | 1·53 | 2·7 |
| | 1898 | ... | ... | 0·32 | 0·6 | 0·09 | 0·1 | 1·27 | 1·9 | 0·88 | 1·8 |
| Cuddapah | Average of ten years | 0·03 | 0·1 | 0·12 | 0·2 | 0·12 | 0·3 | 0·47 | 1·0 | 1·37 | 2·7 |
| | 1896 | 0·92 | 0·7 | ... | ... | 0·07 | 0·1 | 0·23 | 0·5 | 1·67 | 2·8 |
| | 1897 | 0·12 | 0·3 | 0·14 | 0·3 | 0·09 | 0·4 | ... | ... | 1·17 | 2·2 |
| | 1898 | ... | ... | 0·01 | 0·1 | ... | ... | 1·83 | 1·7 | 1·31 | 1·9 |
| Bellary | Average of ten years | 0·01 | ... | 0·08 | 0·1 | 0·28 | 0·5 | 0·89 | 2·1 | 1·73 | 3·4 |
| | 1896 | 0·02 | 0·1 | ... | ... | ... | ... | 0·04 | 0·5 | 2·06 | 3·5 |
| | 1897 | ... | ... | 0·01 | ... | 0·06 | 0·1 | 0·98 | 2·2 | 1·88 | 3·7 |
| | 1898 | ... | ... | 0·01 | 0·1 | 0·06 | 0·3 | 1·85 | 2·7 | 2·08 | 3·5 |
| Anantapur | Average of ten years | ... | ... | 0·02 | 0·1 | 0·12 | 0·3 | 0·91 | 1·7 | 1·53 | 3·0 |
| | 1896 | ... | ... | ... | ... | ... | ... | 0·26 | 0·6 | 2·49 | 3·7 |
| | 1897 | 0·01 | ... | 0·09 | 0·4 | 0·03 | 0·1 | 0·39 | 1·1 | 1·25 | 2·3 |
| | 1898 | ... | ... | 0·11 | 0·4 | ... | ... | 1·04 | 1·8 | 1·58 | 3·2 |
| Total | Average of ten years | 0·20 | 0·4 | 0·33 | 0·6 | 0·64 | 1·0 | 1·39 | 2·4 | 2·58 | 4·2 |
| | 1896 | 0·19 | 0·4 | ... | ... | 0·20 | 0·3 | 0·44 | 0·7 | 2·07 | 3·3 |
| | 1897 | 0·15 | 0·3 | 1·33 | 1·8 | 0·50 | 0·7 | 1·17 | 2·0 | 2·45 | 3·7 |
| | 1898 | 0·25 | 0·5 | 0·65 | 0·9 | 0·04 | 0·1 | 1·47 | 2·2 | 2·14 | 3·6 |

* The rainfall of this month should be classed with the north-east monsoon of the previous year; but

II.

*during* 1896, 1897 *and* 1898, *with the average of previous ten years ending* 1896

| June | | July. | | August | | September | | October | | November. | | December. | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rainfall. | Days | Rainfall. | Days | Rainfall | Days | Rainfall | Days | Rainfall | Days | Rainfall | Days | Rainfall. | Days | Rainfall. | Days. |
| 5·74 | 8·3 | 8·41 | 11·7 | 8·45 | 1·6 | 8·01 | 11·9 | 8·67 | 9·1 | 4·45 | 4 | 0·6 | 0·7 | 49·41 | 69·0 |
| 7·03 | 11·6 | 8·49 | 12·9 | 10·12 | 12·0 | 4·41 | 7·2 | 6·07 | 6·4 | 0·15 | 0·3 | | | 54·14 | 69·7 |
| 4·55 | 0·3 | 7·01 | 1·4 | 1·46 | 1·6 | 1··· | 10·4 | 12·48 | 10·0 | 1·18 | ·· | 0·0 | 0·1 | 46·29 | 46·7 |
| 8·33 | 10·3 | 11·13 | 15·6 | 5·12 | 1·6 | 6·71 | 9·8 | 9·24 | 5·8 | 1·14 | 1·8 | 0·15 | 0·5 | 48·79 | 58·9 |
| 6·82 | 9·6 | 9·42 | 13·1 | 9·01 | 11·2 | 8·99 | 12·1 | 7·48 | 8·3 | ··4 | 5·8 | 0·12 | 0·7 | 59·41 | 70·0 |
| 6·90 | 10·3 | 7·06 | 11·9 | 10··· | 1·9 | 6·54 | 11·3 | 0·1· | 0·1 | 1·06 | 1·6 | | | 53·61 | 55·0 |
| 3·75 | 5·9 | 7·60 | 13·1 | 9·78 | 14·0 | 1··· | 10·6 | 8··9 | 8·· | ·· | 5·0 | 0·1 | 0·1 | 52··1 | 71·7 |
| 7·38 | 9·3 | 9·21 | 15·3 | 5·39 | 9·6 | 6·75 | 8·0 | 5·07 | 6·1 | ·06 | 0·2 | 0·05 | 0·2 | 4···2 | 57·1 |
| 5·83 | 7·0 | 7·36 | 10·4 | 6·87 | 1·1 | 7·07 | 8·1 | 9·14 | 8·8 | 5·· | 3·1 | 0··3 | 0·4 | 42·8· | 55·0 |
| 3·27 | 5·3 | 7·24 | 11·1 | 7·25 | 11·5 | 4·05 | 7·0 | 0·24 | 0·3 | 1·· | 0·0 | | | 2··10 | 4·1 |
| 2·48 | 3·0 | 6·26 | 12·1 | 10·78 | 1·4 | 10·01 | 1··7 | 1·· 0 | 7·2 | 1·15 | 2·1 | | | 4·1·· | 64·4 |
| 5·45 | 6·5 | 10·38 | 11·0 | 4·84 | ·8 | 6·11 | 8·4 | 5·80 | 7·1 | 8·15 | 4·2 | 0·02 | 0·1 | 4··19 | 48·6 |
| 4·47 | 6·3 | 5·84 | 9·5 | 6··· | 9·9 | 6·02 | 8·6 | 6·92 | 8·6 | 3·16 | 5·9 | 0·16 | 0·5 | 1···· | 50·8 |
| 4·11 | 5·7 | 5·46 | 9·7 | 5·86 | 9·8 | 5·15 | 8·2 | 0·85 | 0·9 | 3·75 | 4·2 | | | 1··82 | 1·7·0 |
| 2·81 | 3·4 | 6·15 | 10·7 | ··7 | 11·4 | 5··4 | 1··· | 5·02 | 5·2 | 0··· | 1·1 | | | 32·01 | 40·4 |
| 3·38 | 6·9 | 7·15 | 11·0 | 3·56 | 6·5 | 4·85 | 8·2 | 5·54 | 5·8 | 4·87 | 5·4 | 0·01 | 0·1 | 32·18 | 47·3 |
| 1·79 | 3·3 | 2·61 | 5·7 | 3·27 | 6·0 | 5·87 | 6·1 | 9·72 | 9·5 | 7·20 | 7·2 | 2·20 | 2·8 | 3··64 | 41·1 |
| 0·95 | 2·1 | 2·75 | 5·3 | 3·29 | 8·4 | 5·88 | 8·4 | 1·25 | 2·4 | 10·30 | 11·1 | 2·31 | 3·0 | 3··91 | 45·4 |
| 1·44 | 2·3 | 2·08 | 6·4 | 5·02 | 7·0 | 7·90 | 11·3 | 2·42 | 5·4 | 3·13 | 5·0 | 0·29 | 0·9 | 26·54 | 39·5 |
| 1·80 | 3·3 | 1·07 | 4·5 | 1·60 | 3·9 | 5··5 | 8·4 | 10·46 | 9·8 | 12·28 | 10·2 | 5·07 | 1·4 | 58·28 | 44·5 |
| 2·53 | 8·3 | 4·71 | 13·4 | 5·06 | 13·8 | 4·15 | 9·7 | 11·85 | 13·9 | 9·84 | 13·1 | 5·23 | 7·7 | 46·07 | 85·1 |
| 1·49 | 2·0 | 2·05 | 5·0 | 6·11 | 13·0 | 5·97 | 7·0 | 2·97 | 5·0 | 32·75 | 19·0 | 17·21 | 10·0 | 68·68 | 62·0 |
| 3·21 | 3·0 | 2·47 | 4·0 | 7·53 | 11·0 | 11·01 | 13·0 | 3·06 | 3·0 | 7·50 | 7·0 | 1·69 | 5·0 | 58·47 | 51·0 |
| 2·09 | 5·0 | 3·10 | 10·0 | 7·15 | 9·0 | 8·20 | 9·0 | 16·31 | 17·0 | 19·79 | 14·0 | 10·06 | 6·0 | 68·14 | 72·0 |
| 3·12 | 5·0 | 4·32 | 7·4 | 5·87 | 8·9 | 4·90 | 7·1 | 9·54 | 9·9 | 8·82 | 9·1 | 4·51 | 4·8 | 43·67 | 56·0 |
| 0·50 | 1·4 | 1·76 | 4·2 | 6·39 | 10·5 | 4·16 | 7·1 | 2·28 | 4·4 | 25·53 | 17·2 | 13·35 | 8·8 | 54·81 | 54·4 |
| 1·37 | 2·9 | 3·02 | 5·0 | 6·83 | 9·8 | 9·90 | 10·9 | 2·97 | 2·8 | 5·37 | 6·3 | 1·69 | 3·3 | 55·10 | 45·3 |
| 2·22 | 4·2 | 3·01 | 7·6 | 4·86 | 8·0 | 7·11 | 8·3 | 17·80 | 14·9 | 19·57 | 13·8 | 9·02 | 5·9 | 65·29 | 64·5 |
| 3·33 | 5·2 | 3·77 | 6·1 | 4·79 | 7·3 | 5·36 | 7·0 | 7·70 | 9·2 | 5·26 | 6·2 | 2·98 | 3·3 | 56·64 | 49·9 |
| 1·82 | 3·2 | 1·68 | 2·6 | 4·25 | 7·9 | 7·33 | 9·2 | 1·32 | 3·1 | 10·23 | 11·2 | 5·84 | 6·7 | 53·60 | 48·2 |
| 1·96 | 3·6 | 2·96 | 6·0 | 7·59 | 10·0 | 10·42 | 13·8 | 3·66 | 4·2 | 2·17 | 3·7 | 0·34 | 0·9 | 33·11 | 49·9 |
| 1·55 | 2·7 | 2·17 | 5·2 | 4·88 | 6·6 | 9·48 | 9·3 | 6·90 | 10·3 | 14·79 | 15·1 | 4·85 | 4·5 | 47·14 | 57·3 |
| 2·33 | 4·1 | 3·74 | 5·8 | 5·98 | 8·5 | 5·53 | 6·9 | 9·33 | 10·0 | 7·48 | 8·9 | 5·09 | 4·9 | 43·91 | 55·0 |
| 1·21 | 2·7 | 0·68 | 2·0 | 2·99 | 5·9 | 7·21 | 8·3 | 3·18 | 5·2 | 14·22 | 15·9 | 10·46 | 9·8 | 41·01 | 50·0 |
| 2·32 | 2·9 | 2·34 | 4·7 | 9·55 | 12·2 | 8·21 | 10·7 | 5·14 | 5·3 | 5·87 | 5·2 | 1·24 | 3·1 | 57·32 | 51·2 |
| 1·81 | 3·8 | 2·57 | 4·8 | 6·01 | 8·6 | 10·08 | 10·6 | 9·88 | 11·7 | 24·21 | 14·9 | 10·69 | 6·4 | 68·82 | 65·7 |
| 1·60 | 2·7 | 2·06 | 3·2 | 4·69 | 6·6 | 4·10 | 6·4 | 8·01 | 10·8 | 4·46 | 7·6 | 2·84 | 4·5 | 35·79 | 50·3 |
| 1·29 | 2·3 | 0·54 | 0·7 | 1·69 | 3·5 | 7·13 | 7·5 | 6·43 | 8·8 | 9·65 | 11·8 | 5·23 | 8·2 | 34·81 | 48·0 |
| 2·31 | 3·8 | 0·89 | 1·3 | 5·35 | 7·8 | 13·02 | 12·9 | 4·39 | 4·5 | 3·01 | 5·2 | 0·39 | 1·3 | 37·95 | 45·4 |
| 0·27 | 0·7 | 0·68 | 1·4 | 4·70 | 6·4 | 5·54 | 9·0 | 5·90 | 10·5 | 12·55 | 13·6 | 7·39 | 8·6 | 42·81 | 59·0 |
| 1·91 | 3·2 | 2·97 | 4·8 | 5·08 | 7·5 | 4·25 | 5·9 | 9·21 | 11·3 | 9·61 | 10·8 | 7·49 | 7·7 | 45·88 | 58·7 |
| 1·24 | 1·7 | 1·28 | 2·8 | 1·94 | 4·7 | 3·51 | 5·3 | 6·63 | 9·2 | 15·47 | 14·2 | 14·51 | 14·9 | 45·76 | 55·1 |
| 1·09 | 2·0 | 0·97 | 1·9 | 5·46 | 8·0 | 8·00 | 9·7 | 3·04 | 4·1 | 5·04 | 4·9 | 4·04 | 5·1 | 32·03 | 43·6 |
| 0·95 | 2·1 | 1·37 | 3·2 | 5·05 | 6·1 | 5·83 | 8·0 | 10·43 | 15·5 | 18·92 | 14·7 | 12·35 | 10·8 | 59·39 | 65·9 |
| 1·45 | 2·9 | 1·49 | 3·0 | 2·71 | 4·9 | 2·53 | 4·6 | 8·28 | 10·5 | 5·03 | 7·5 | 3·00 | 4·2 | 31·20 | 48·7 |
| 1·80 | 2·6 | 0·85 | 2·1 | 0·81 | 2·3 | 5·38 | 7·3 | 7·74 | 11·2 | 11·55 | 13·0 | 8·18 | 12·6 | 39·87 | 67·7 |
| 1·28 | 3·0 | 0·70 | 1·8 | 3·67 | 6·8 | 6·85 | 8·3 | 5·14 | 4·7 | 4·56 | 5·6 | 0·89 | 2·5 | 29·55 | 43·8 |
| 0·91 | 1·8 | 0·78 | 1·5 | 1·51 | 3·0 | 6·55 | 9·3 | 10·89 | 13·8 | 8·96 | 11·2 | 5·16 | 8·3 | 41·37 | 79·3 |
| 0·69 | 2·0 | 0·53 | 1·6 | 0·84 | 1·9 | 0·98 | 2·3 | 7·40 | 10·0 | 5·72 | 8·5 | 3·48 | 4·8 | 26·58 | 42·9 |
| 1·57 | 2·9 | 1·41 | 2·7 | 0·21 | 0·8 | 2·96 | 3·7 | 6·74 | 9·8 | 42·89 | 11·6 | 7·39 | 9·0 | 37·11 | 45·3 |
| 1·77 | 4·0 | 0·57 | 1·8 | 1·72 | 3·2 | 2·33 | 4·7 | 3·65 | 5·0 | 5·12 | 6·3 | 0·82 | 1·9 | 24·74 | 39·3 |
| 0·59 | 1·6 | 0·27 | 1·0 | 0·34 | 0·8 | 2·03 | 3·4 | 8·83 | 11·8 | 6·49 | 9·5 | 4·97 | 8·6 | 31·67 | 48·1 |
| 9·80 | 15·3 | 13·04 | 17·6 | 8·77 | 14·9 | 6·25 | 12·5 | 10·17 | 15·9 | 5·04 | 9·2 | 2·27 | 4·0 | 68·57 | 114·4 |
| 20·59 | 19·3 | 10·06 | 15·8 | 10·64 | 16·0 | 10·59 | 15·0 | 5·96 | 8·7 | 7·97 | 10·0 | 6·48 | 9·2 | 85·47 | 102·8 |
| 13·70 | 14·6 | 11·50 | 14·0 | 18·05 | 16·9 | 10·38 | 15·3 | 5·48 | 9·1 | 2·87 | 5·6 | 1·27 | 2·4 | 76·75 | 98·9 |
| 7·78 | 11·8 | 12·95 | 15·0 | 5·67 | 9·9 | 12·29 | 18·1 | 12·26 | 19·9 | 8·19 | 12·1 | 1·72 | 3·4 | 70·52 | 110·5 |
| 40·45 | 25·7 | 46·01 | 29·6 | 26·36 | 26·9 | 10·06 | 17·2 | 10·59 | 13·3 | 3·04 | 4·6 | 0·24 | 0·5 | 145·05 | 130·8 |
| 46·96 | 26·3 | 41·17 | 29·7 | 47·18 | 29·3 | 6·20 | 10·0 | 5·23 | 7·2 | 3·47 | 5·9 | 0·46 | 0·9 | 158·48 | 118·6 |
| 45·71 | 20·5 | 63·25 | 29·4 | 36·22 | 28·9 | 21·00 | 19·9 | 8·68 | 9·2 | 0·57 | 0·7 | ... | ... | 181·11 | 116·8 |
| 44·79 | 25·3 | 48·94 | 30·6 | 18·65 | 22·4 | 20·14 | 22·2 | 12·07 | 16·6 | 5·04 | 7·2 | 0·23 | 0·3 | 155·69 | 134·2 |
| 1·87 | 25·1 | 29·55 | 24·7 | 14·69 | 21·0 | 6·40 | 12·6 | 9·90 | 13·5 | 3·79 | 5·9 | 0·57 | 1·0 | 110·89 | 124·0 |
| 6·22 | 25·9 | 36·82 | 27·9 | 26·04 | 24·9 | 3·50 | 7·5 | 6·73 | 9·6 | 4·40 | 6·7 | 1·42 | 2·8 | 135·72 | 118·5 |
| 8·84 | 20·5 | 40·63 | 25·6 | 32·26 | 23·6 | 10·22 | 13·7 | 8·57 | 10·4 | 2·19 | 4·0 | 0·25 | 0·3 | 149·29 | 112·8 |
| 31·47 | 22·7 | 32·20 | 27·6 | 6·40 | 14·1 | 9·51 | 17·2 | 11·98 | 14·6 | 6·92 | 8·8 | 0·48 | 1·2 | 108·83 | 119·4 |
| 5·22 | 5·3 | 3·12 | 5·8 | 5·01 | 7·8 | 4·90 | 7·3 | 6·20 | 9·4 | 3·22 | 5·7 | 0·87 | 2·4 | 34·90 | 54·6 |
| 2·82 | 4·9 | 0·69 | 2·1 | 2·64 | 7·1 | 9·97 | 11·0 | 4·16 | 5·5 | 4·49 | 7·7 | 2·56 | 4·4 | 30·10 | 48·3 |
| 2·01 | 3·4 | 1·99 | 4·0 | 6·99 | 9·4 | 12·34 | 13·8 | 4·77 | 5·1 | 1·73 | 5·1 | 0·36 | 0·9 | 37·11 | 50·7 |
| 1·14 | 2·7 | 0·95 | 2·2 | 3·65 | 5·2 | 9·23 | 12·4 | 5·42 | 9·9 | 12·01 | 11·8 | 2·40 | 3·3 | 41 42 | 58·0 |
| 1·71 | 3·8 | 1·30 | 3·4 | 2·32 | 4·8 | 2·32 | 4·6 | 6·17 | 9·0 | 3·19 | 5·4 | 0·93 | 2·2 | 25·22 | 44·8 |
| 3·47 | 6·2 | 1·11 | 2·9 | 1·02 | 3·2 | 5·61 | 7·8 | 5·03 | 7·8 | 4·92 | 7·7 | 3·38 | 6·0 | 17·51 | 47·0 |
| 1·91 | 3·9 | 0·98 | 2·6 | 4·36 | 5·6 | 6·09 | 7·8 | 3·31 | 5·2 | 3·97 | 5·5 | 0·16 | 0·6 | 28·44 | 44·5 |
| 0·85 | 2·6 | 0·71 | 1·8 | 1·63 | 2·9 | 7·59 | 10·8 | 7·97 | 11·8 | 6·54 | 9·4 | 1·26 | 3·1 | 32·10 | 53·1 |
| 3·42 | 6·3 | 4·71 | 9·1 | 5·83 | 9·4 | 5·48 | 8·5 | 5·91 | 6·7 | 1·52 | 3·2 | 0·13 | 0·5 | 28·96 | 48·2 |
| 2·16 | 4·6 | 2·56 | 5·7 | 4·56 | 9·2 | 2·57 | 4·8 | 0·17 | 0·5 | 2·10 | 4·3 | ... | ... | 15·69 | 32·6 |
| 2·79 | 5·1 | 3·88 | 7·8 | 4·45 | 6·8 | 9·03 | 13·6 | 2·38 | 3·8 | 0·06 | 0·2 | ... | ... | 25·00 | 41·8 |
| 3·06 | 4·8 | 4·49 | 9·2 | 2·12 | 5·7 | 9·83 | 12·8 | 1·61 | 3·3 | 2·38 | 3·9 | ... | ... | 25·75 | 44·1 |
| 2·36 | 4·6 | 3·37 | 6·4 | 4·92 | 7·7 | 5·07 | 8·0 | 6·46 | 8·5 | 3·37 | 5·0 | 1·11 | 2·0 | 28·77 | 46·5 |
| 1·53 | 3·1 | 1·65 | 4·1 | 3·70 | 7·0 | 2·93 | 5·6 | 0·40 | 1·3 | 5·10 | 8·1 | 0·60 | 1·8 | 18·80 | 35·1 |
| 1·84 | 5·0 | 2·08 | 4·0 | 6·95 | 8·1 | 7·58 | 14·2 | 2·28 | 2·9 | 1·31 | 2·6 | 0·44 | 0·6 | 24·00 | 40·6 |
| 1·03 | 2·4 | 1·70 | 4·8 | 2·56 | 4·4 | 6·03 | 9·6 | 2·45 | 5·4 | 6·19 | 8·4 | 2·37 | 2·0 | 25·48 | 40·7 |
| 2·85 | 5·6 | 2·63 | 7·3 | 3·94 | 7·5 | 4·74 | 8·1 | 4·46 | 7·0 | 1·94 | 3·4 | 0·12 | 0·3 | 25·65 | 45·3 |
| 1·88 | 5·1 | 2·92 | 6·4 | 3·38 | 6·5 | 1·32 | 2·6 | 0·45 | 1·2 | 1·64 | 2·2 | ... | ... | 13·71 | 28·1 |
| 4·97 | 5·9 | 1·51 | 4·1 | 3·05 | 5·4 | 14·46 | 14·7 | 2·64 | 4·3 | 0·10 | 0·3 | ... | ... | 29·66 | 40·7 |
| 1·77 | 4·5 | 2·73 | 7·4 | 1·78 | 4·8 | 8·31 | 11·1 | 2·30 | 5·3 | 2·01 | 4·4 | 0·09 | 0·4 | 22·99 | 44·5 |
| 2·47 | 4·3 | 2·73 | 5·8 | 5·58 | 8·7 | 4·88 | 6·6 | 5·01 | 6·9 | 2·07 | 3·3 | 0·28 | 0·7 | 25·60 | 41·4 |
| 2·69 | 4·5 | 1·31 | 4·0 | 2·20 | 4·9 | 2·52 | 3·7 | 0·43 | 1·5 | 2·47 | 3·1 | 0·12 | 0·2 | 14·49 | 26·2 |
| 3·49 | 5·5 | 1·51 | 2·8 | 3·65 | 5·7 | 12·30 | 15·9 | 2·66 | 4·0 | 0·14 | 0·4 | 0·18 | 0·4 | 25·70 | 38·6 |
| 1·84 | 2·5 | 0·84 | 3·0 | 1·09 | 3·5 | 7·51 | 9·5 | 1·08 | 3·7 | 3·28 | 5·4 | 0·38 | 1·1 | 18·75 | 34·1 |
| 6·43 | 7·5 | 7·44 | 9·3 | 6·69 | 10·0 | 5·28 | 8·3 | 8·10 | 10·0 | 4·80 | 6·4 | 2·04 | 2·7 | 45·92 | 62·8 |
| 7·32 | 6·9 | 6·77 | 7·7 | 7·49 | 9·7 | 5·27 | 7·5 | 3·08 | 4·7 | 8·68 | 8·5 | 4·43 | 4·9 | 45·94 | 54·6 |
| 6·83 | 5·6 | 7·74 | 8·0 | 9·41 | 11·0 | 10·37 | 13·0 | 4·91 | 5·5 | 2·63 | 3·6 | 0·65 | 1·4 | 48·14 | 56·6 |
| 5·93 | 6·2 | 7·30 | 8·6 | 4·51 | 7·4 | 7·96 | 10·6 | 8·13 | 10·4 | 9·45 | 9·1 | 3·49 | 3·5 | 51·32 | 63·1 |

as the report deals with the calendar year, its inclusion under the "Inter-monsoon" period is unavoidable.

Diagram showing the Birth and Death Rates per Mille per annum in the District of Bellary with Rainfall and price of food (CHOLAM) during the year 1898 Compared with 1897 and 1896 and the average of the ten years ending 1895.

Census population of 1891 = 900,126 ✻ Area = 5,975 Sqr. Miles ✻ Pasture & Agriculture 66·08 per cent ✻ Indefinite occupations 7·90 per cent

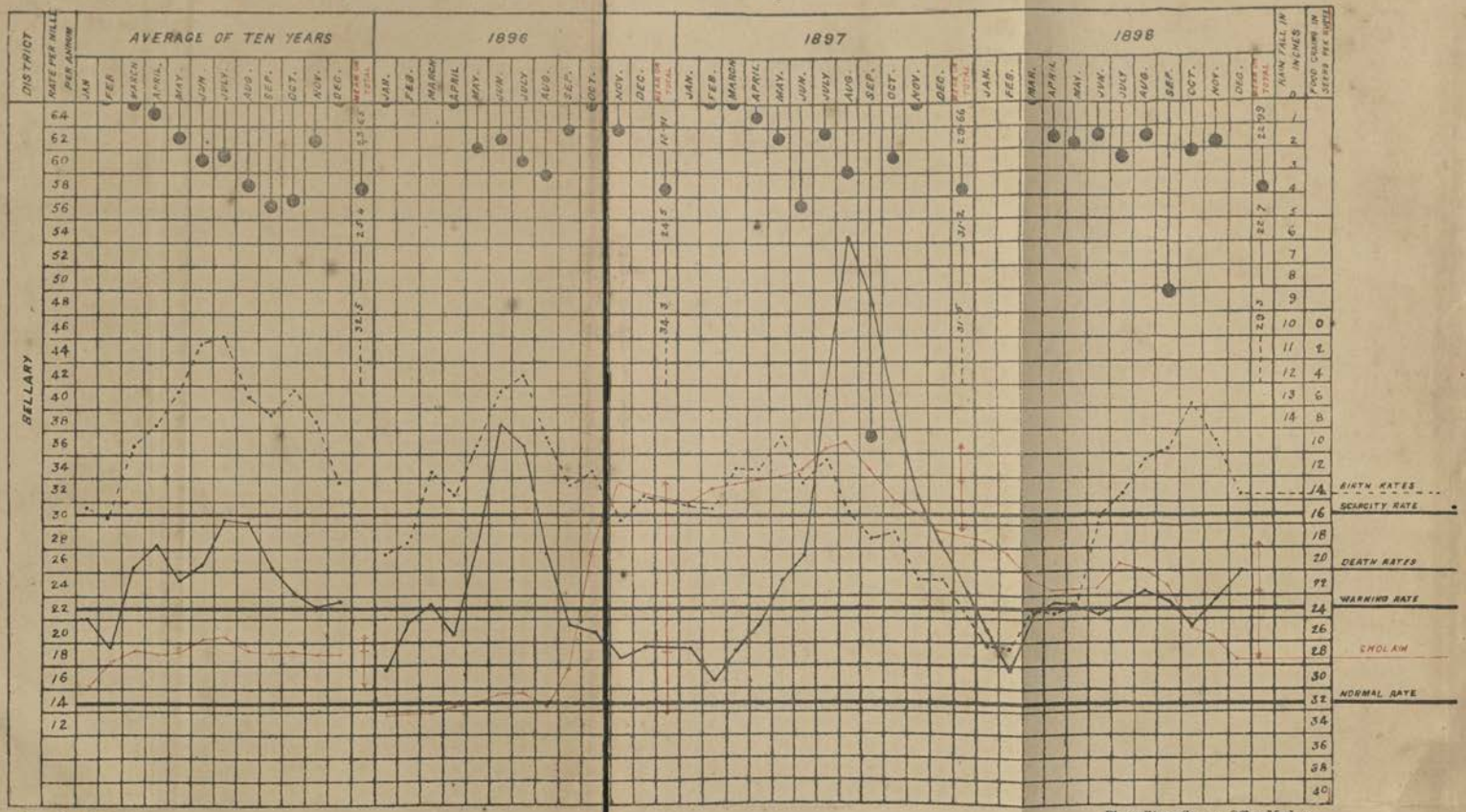


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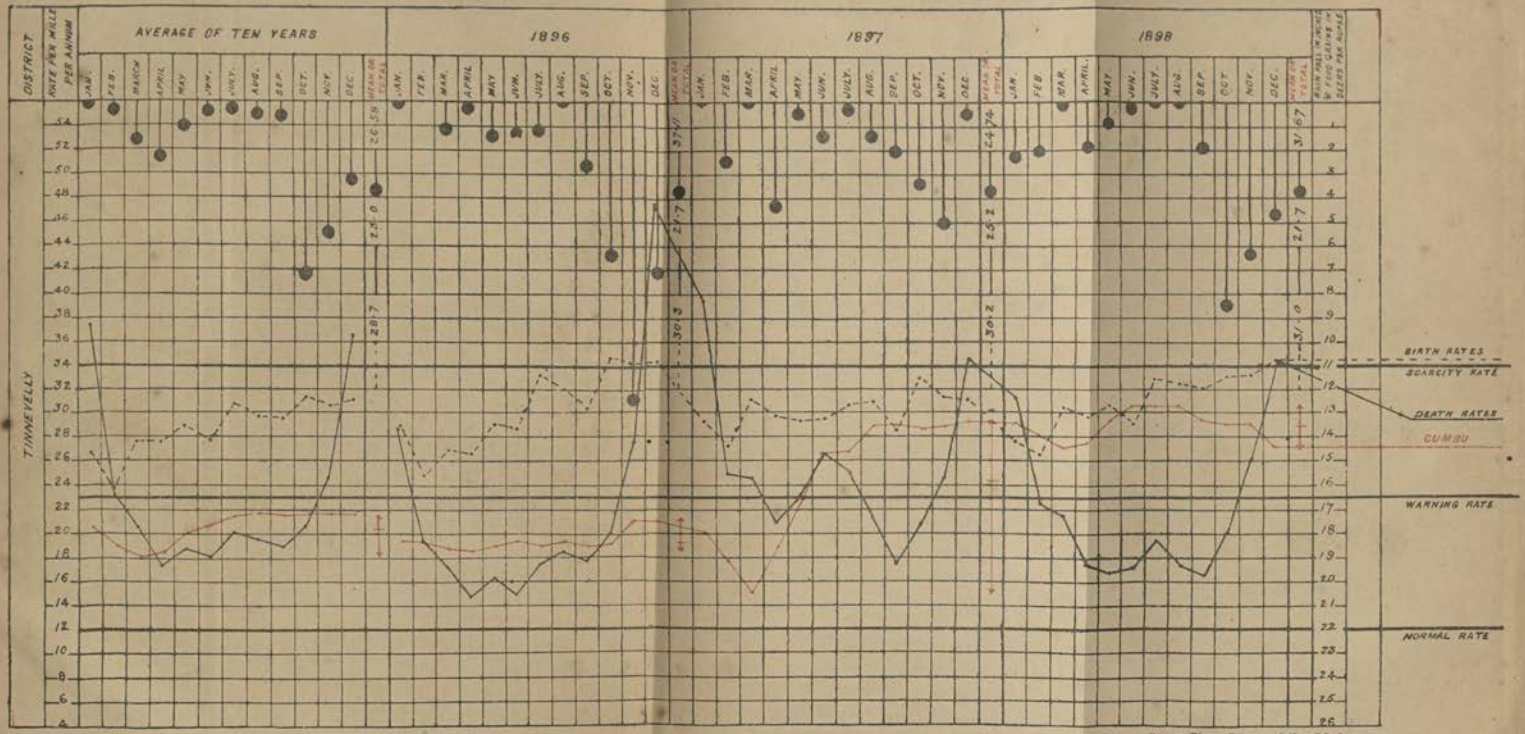
Diagram showing the Birth and Death Rates per Mille per annum in the District of Tinnevelly with Rainfall and price of food (CUMBU) during the year 1898 Compared with 1897 and 1896 and the average of the ten years ending 1895.

Census population of 1891 = 1,916,095 Area = 5,337 Sqr. Miles Pasture & Agriculture 59·62 per cent Indefinite occupations 7·38 per cent

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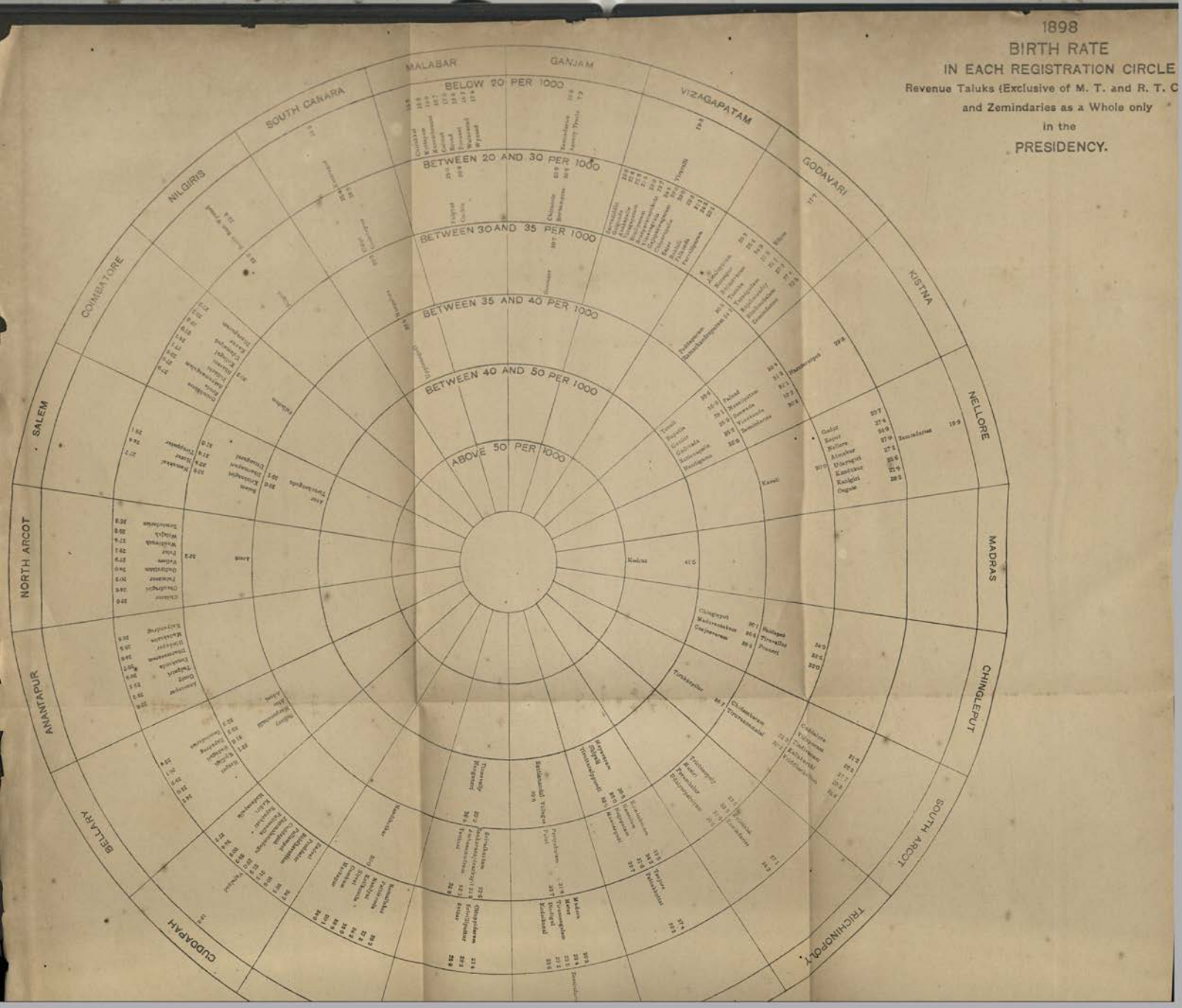
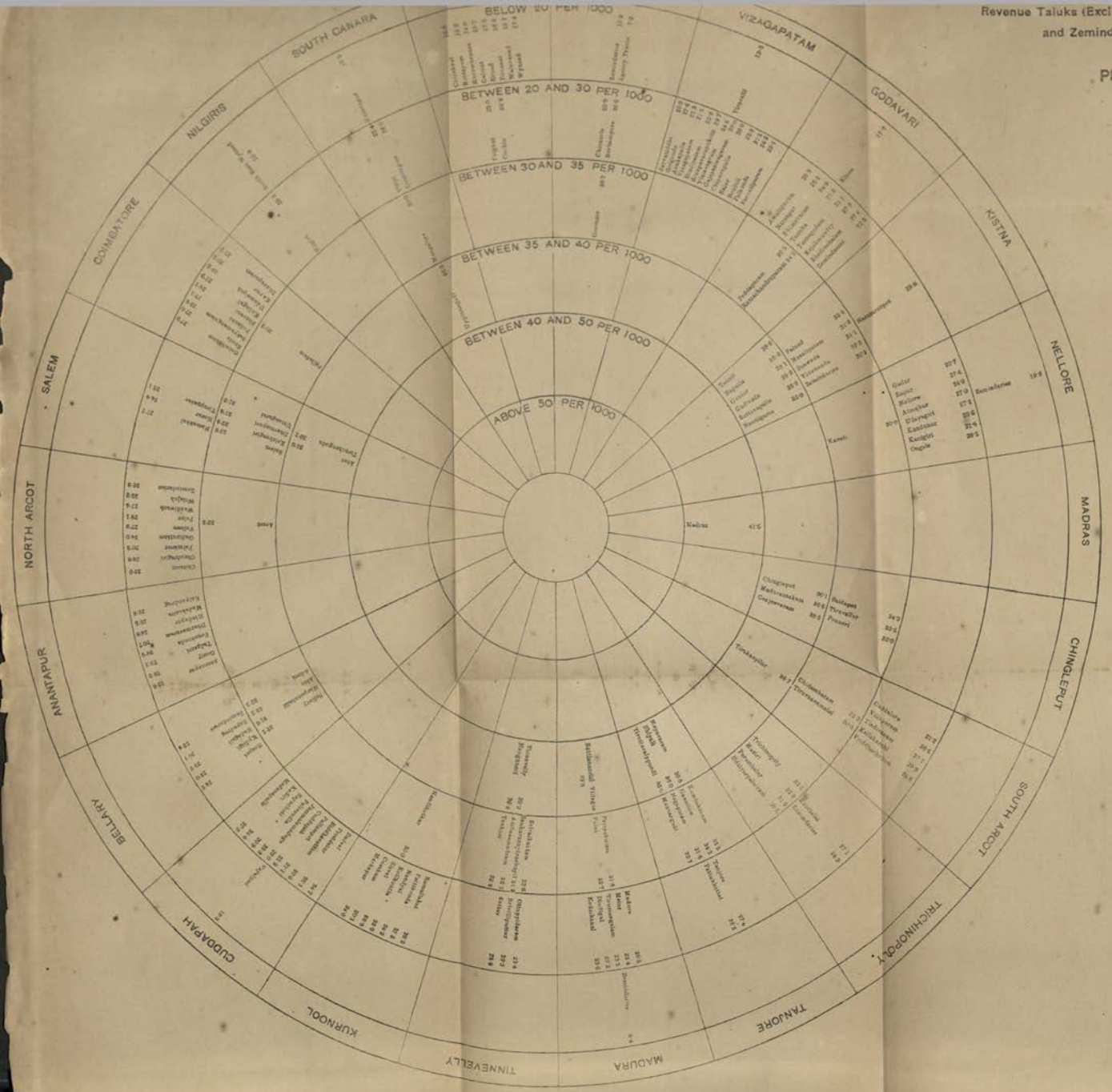
# 1898
# BIRTH RATE
## IN EACH REGISTRATION CIRCLE
Revenue Taluks (Exclusive of M. T. and R. T. C and Zemindaries as a Whole only in the

## PRESIDENCY.



Revenue Taluks (Exclusive of M. T. and R. T. C
and Zemindaries as a Whole only
in the
PRESIDENCY.

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1899

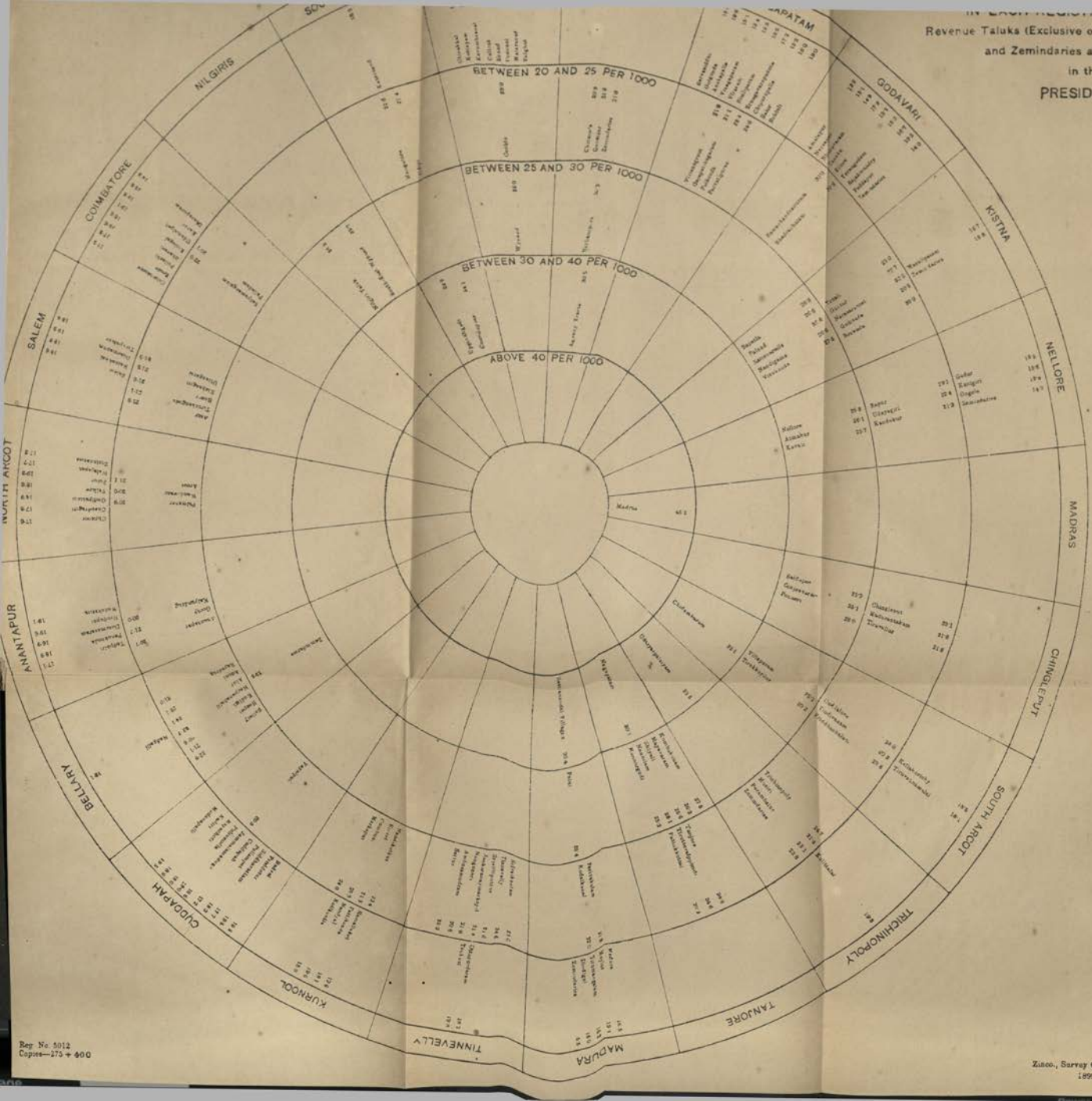
IN EACH REGISTRATION CIRCLE

Revenue Taluks (Exclusive of M. T. and R. T. Circles)

and Zemindaries as a Whole only

in the

PRESIDENCY.

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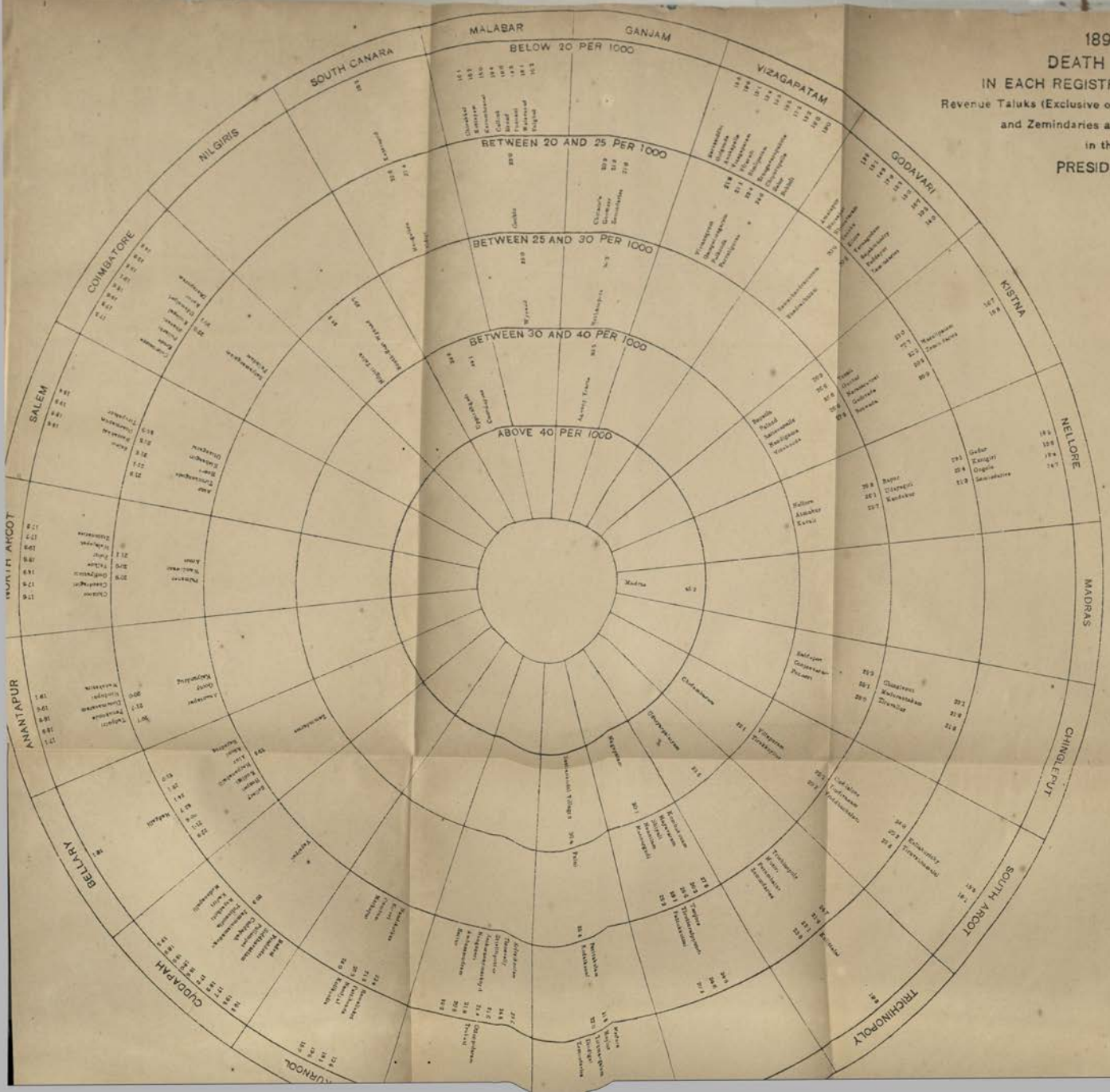
1898
DEATH RATE
IN EACH REGISTRATION CIRCLE
Revenue Taluks (Exclusive of M. T. and R. T. Circles)
and Zemindaries as a Whole only
in the
PRESIDENCY.
BELOW 20 PER 1000
BETWEEN 20 AND 25 PER 1000
BETWEEN 25 AND 30 PER 1000
BETWEEN 30 AND 40 PER 1000
ABOVE 40 PER 1000
MALABAR
GANJAM
VIZAGAPATAM
GODAVARI
KISTNA
NELLORE
MADRAS
CHINGLEPUT
SOUTH ARCOT
TRICHINOPOLY
MADURA
TINNEVELLY
SOUTH CANARA
NILGIRIS
COIMBATORE
SALEM
NORTH ARCOT
ANANTAPUR
BELLARY
CUDDAPAH
KURNOOL

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# REPORT

ON THE

# ADMINISTRATION

OF THE

# MADRAS PRESIDENCY,

DURING THE YEAR

## 1898-99.

PART I.—SUMMARY OF THE ADMINISTRATION.
PART II.—DEPARTMENTAL CHAPTERS.
PART III.—APPENDIX.—STATISTICAL RETURNS.
PART IV.—SPECIAL APPENDIX.

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